



***Letter to Shareholders
2011 Annual Report on Form 10-K
Notice of 2012 Annual Meeting and
Proxy Statement***

***Factory Integration Software for
PS588, PS388 & RoadRunner3***



Best Device Programmer by 2012 NPI Awards

Dear Shareholder:

In 2011, the company completed the development of its next generation in-line programming solution, the RoadRunner3 and introduced it on August 1st. Like its predecessors, the RoadRunner3 is a highly-differentiated product protected by a family of more than 20 patents. It physically integrates programming with production, as the RoadRunner3 mounts directly on the surface-mount assembly machine. Our development team conducted tens of interviews to extract the voice-of-the-customer and as a result has delivered a product that truly delights the customers.

Also, on August 1st the company introduced Factory Integration Software (FIS), culminating a major development program that began in the second quarter of 2010. With the introduction of this software, programming is now logically integrated with production, as FIS connects the programming equipment to the customer's manufacturing execution software. The RoadRunner3 with FIS provides a complete solution that delivers just-in-time programming fully integrated with the factory processes to drive down inventory, rework, and virtually eliminates the possibility of human error. In November, we extended the Factory Integration Software so that it is now compatible with our PS family of products.

As many of you may know, the recovery from the 2009 downturn began to lose steam in the third quarter of last year. This was particularly noticeable in Asia where we saw a precipitous decline in business starting in September. Orders in the fourth quarter were \$5.1M, down nearly 30% from the \$7.1M booked in the third quarter of 2011. Despite the slowdown, Asia had a record year in 2011.

This year got off to a slow start with many firms reporting that they expected the first quarter of 2012 to be the low point of the electronics industry cycle. This is consistent with our experience this year to date. Like other firms, we believe that the industry is poised for the beginning of an upturn and capital spending will follow. The new products we introduced in 2011 and the FLXHD automated Flash media duplicator for e-MMC devices that we introduced last month are the right products to provide growth in 2012 in growing markets such as smartphones, tablets, and automotive electronics.

Our share repurchase programs have been very effective with repurchases of over \$6 million.

As previously announced, we are both retiring this year. With an effective transition plan in place, we are confident that Data I/O will have strong leadership and be well positioned for the future.

Frederick R. Hume

President & CEO

Paul A. Gary

Chairman of the Board

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

(Mark One)

FORM 10-K

**(X) ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

For the fiscal year ended **December 31, 2011**

or

**() TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _____ to _____

Commission file number:

0-10394

DATA I/O CORPORATION

(Exact name of registrant as specified in its charter)

Washington
(State or other jurisdiction of incorporation)

91-0864123
(I.R.S. Employer Identification No.)

**6464 185th Ave NE, Suite 101, Redmond, Washington, 98052
(425) 881-6444**

(Address, including zip code, of registrant's principal executive offices and telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act

Title of each class
Common Stock (No Par Value)

Name of each exchange on which registered
Nasdaq Capital Market

Securities registered pursuant to Section 12(g) of the Act

None

Indicate by check mark whether the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes ☐ No ☒

Indicate by check mark whether the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes ☐ No ☒

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes ☒ No ☐

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§229.405 of this chapter) is not contained herein and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. ☒

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☐ Accelerated filer ☐ Non-accelerated filer ☐ Smaller reporting company ☒

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

Aggregate market value of voting and non-voting common equity held
by non-affiliates on the registrant as of June 30, 2011:
\$50,968,410

Shares of Common Stock, no par value, outstanding as of March 12, 2012:
8,510,897

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's Proxy Statement relating to its May 10, 2012 Annual Meeting of Shareholders are incorporated into Part III of this Annual Report on Form 10-K.

DATA I/O CORPORATION
FORM 10-K
For the Fiscal Year Ended December 31, 2011
INDEX

Part I	<u>Page</u>
Item 1. Business	3
Item 1A. Risk Factors	10
Item 1B. Unresolved Staff Comments	16
Item 2. Properties	16
Item 3. Legal Proceedings	16
Item 4. Mine Safety Disclosures	16
 Part II	
Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities	17
Item 6. Selected Financial Data	17
Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations	18
Item 7A. Quantitative and Qualitative Disclosures About Market Risk	23
Item 8. Financial Statements and Supplementary Data	24
Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure	43
Item 9A. Controls and Procedures	43
Item 9B. Other Information	44
 Part III	
Item 10. Directors, Executive Officers and Corporate Governance	45
Item 11. Executive Compensation	45
Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters	45
Item 13. Certain Relationships and Related Transactions and Director Independence	46
Item 14. Principal Accounting Fees and Services	46
 Part IV	
Item 15. Exhibits, Financial Statement Schedules	47
 Signatures	51

PART I

Item 1. Business

This Annual Report on Form 10-K and the documents incorporated herein by reference contain forward-looking statements based on current expectations, estimates and projections about Data I/O® Corporation's industry, management's beliefs and certain assumptions made by management. See "Management's Discussion and Analysis of Financial Condition and Results of Operations – Forward Looking Statements."

General

Data I/O Corporation ("Data I/O") is the global market leader for advanced programming and intellectual property management solutions used in the manufacturing of flash and flash-based intelligent devices. Data I/O designs, manufactures and sells programming systems for electronic device manufacturers, specifically targeting high growth areas such as high-volume users of flash memory and microcontrollers. Virtually every electronic product today incorporates one or more programmable semiconductor devices that contain data and operating instructions essential for the proper operation of the product.

Data I/O's mission is to deliver high-value systems, software and services to the rapidly expanding programmable semiconductor market by providing a software-rich programming platform for content delivery. These programmable solutions are used in devices such as smart phones, MP3 players, gaming systems and automobile electronics. These solutions, some of which include intellectual property management, secure content management and process control capabilities, enable Data I/O to address the demanding requirements for the electronic device market, where applications and intellectual property protection are essential to our customer's success. Data I/O's largest customers are heavy users of programmable semiconductor devices and include original equipment manufacturers ("OEMs") in wireless and consumer electronics and automotive electronics, and their electronic manufacturing service ("EMS") contract manufacturers.

Data I/O was incorporated in the State of Washington in 1969 and its business was founded in 1972.

Industry Background

Data I/O enables companies to improve productivity and reduce costs by providing device programming solutions that allow our customers to take intellectual property (large design and data files) and protect and program it into memory, microcontroller and logic devices quickly and cost-effectively. Data I/O also provides services related to hardware support, system installation and repair, and device programming. Companies that design and manufacture products ranging from cell phones to automobiles, that utilize programmable electronic devices, purchase these solutions from us. The trends of increasing device densities and customers increasing their software content file sizes, combined with the increasing numbers of intelligent devices such as smartphones and tablets, are driving demand for our solutions.

Our automated programming systems integrate both programming and handling functions into a single product solution. Quality conscious customers, particularly those in the field of high-volume manufacturing and programming, continue to drive this portion of our business.

Traditionally, our programming market opportunity focused on the number of semiconductor devices to be programmed, but because of the rapid increase in the density of devices, the focus is shifting to the number of bits per device to be programmed as described in the following table:

Market Characteristics	Data I/O's Traditional Market Model	Data I/O's New Market Model
Primary driver of demand	Number of semiconductor devices	Number of bits per device
Primary measure of performance	Devices programmed per hour	Bits programmed per hour
Primary device type	Microcontrollers: ~60% of devices	NAND Flash: ~71% of content
DAIO business focus	Device programming	Content programming and management
Demand growth	~12% growth in devices	~90% growth in content

Products

In order to accommodate the expanding variety and quantities of programmable devices being manufactured today, Data I/O offers multiple solutions for the numerous types of device mix and volume usage by our customers in the various market segments and applications. We work closely with leading manufacturers of programmable devices to develop our products to meet the requirements of a particular device. Our products are positioned and viewed as the "gold standard" for advanced programming equipment and intellectual property management solutions. Our new RoadRunner3 with Factory Integration

Software received the Circuits Assembly NPI Award in February of 2012, and a year ago our FlashCORE III programming technology resulted in industry awards including:

- SMT Vision Award
- Circuits Assembly NPI Award
- EMAsia Innovation Award
- Global SMT Technology Award

Data I/O's programming solutions include a broad range of products, systems, modules and accessories, grouped into two general categories: automated programming systems and manual programming systems. We provide two main categories of automated programming systems: off-line and in-line. Data I/O's common programming platform, FlashCORE™, and Data I/O's universal job setup tool, Tasklink™ for Windows®, are available in each family of our automated programming systems and FlashPAK™. In addition, we provide device support and service on all of our products. Device support is a critical aspect of our business and consists of writing software algorithms for devices and developing socket adapters to hold and connect to the device for programming.

Data I/O's products have both an upfront solution sale and recurring revenue elements. Adapters are a consumable item and software and maintenance are typically under annual subscription contracts.

2011 Sales Percentage Breakdown by Type		
Sales Type	Percent of Total Sales	Drivers
Equipment Sales	61%	Capacity, Process improvement, Technology
Adapter Sales	27%	Capacity utilization, New customer products
Software and Maintenance Sales	12%	Installed base, Added capabilities
Total	100%	

The table below presents Data I/O's main products and the key features that benefit our customers:

Products	Key Features	Customer Benefits
RoadRunner and RoadRunner3 Series: In-line, (Automated)	<ul style="list-style-type: none"> • Just-in-time in-line programming • Direct integration with placement machine supporting SIPLACE, Fuji NXT, Panasonic, Assembleon, Universal and MYDATA Parallel Programming • Factory Integration Software • List Selling Price ("List") of \$79,900 to \$127,100 	<ul style="list-style-type: none"> • Dramatic reduction in inventory carrying and rework costs • "Zero" footprint • Rapid return on investment ("ROI") realized in a matter of months • Integration with factory systems
PS Series: Off-line Medium/High Volume, High Mix (Automated)	<ul style="list-style-type: none"> • Fast program and verify speeds of less than 0.19 sec/ Mbit • Up to 48 programming sites • Supports multiple media types • Factory Integration Software • List of \$185,000 to \$560,000 	<ul style="list-style-type: none"> • High throughput for high density Flash programming • High flexibility with respect to I/O options (tube, tray, tape), marking/labeling and vision for coplanarity inspection
FLX500 & FLXHD: Off-line, Moderate Volume (Automated)	<ul style="list-style-type: none"> • Fast changeover times • Self-learning "plug-and-play" operation • Language-independent graphic user interface • FLXHD supports 40 duplication sites • List of \$50,000 to \$119,880 	<ul style="list-style-type: none"> • Affordable automation • Modular, easy to configure • Intuitive, easy to use graphical user interface • Small footprint

Products	Key Features	Customer Benefits
FlashPAK II/III: Off-line, Low Mix, Low Volume (Non-Automated)	<ul style="list-style-type: none"> Scalability Network control via Ethernet Stand-alone operation or PC compatible Parallel programming List of \$9,500 	<ul style="list-style-type: none"> Validate designs before moving down the firmware supply chain Unmatched ease of use in manual production systems
Sprint/Unifamily: Off-line, Low Volume and Engineering (Non-Automated)	<ul style="list-style-type: none"> Breadth of device coverage List of \$1,118 to \$32,400 	<ul style="list-style-type: none"> Universal programmer

Customers

Data I/O sells our solutions to customers worldwide, many of whom are world-class manufacturers of electronic devices used in a broad range of industries, as described in the following table:

Customer Types					
	OEMs			EMS	Programming Centers
	Wireless & Consumer Electronics	Automotive Electronics	Industrial & Process Control Electronics	Contract Manufacturers	
Notable end customers	LG, Motorola, RIM, Sony, HTC, Microsoft	TRW, Lear, Delphi, Bosch, Blaupunkt, Continental, Johnson Controls	Allen-Bradley, Square D, ABB, Trane, Grundig, Danfoss, Philips	Pegatron, Flextronics, Celestica, Elcoteq, Jabil, Wistron, Foxconn	Arrow, Avnet, BTV, MSC, HTV, CPS
Business drivers	GPS, Digital Rights Management, security, flash media, video, 3G/4G networks, applications, features & functionality of converged devices	Safety, navigation and infotainment devices, drive-by-wire	Higher functionality driven by increasing electronic content	Acquisition of OEM factories, production contract wins	Value-added services, logistics
Programming equipment drivers	Rollout of new products that incorporate higher functionality, more memory and new technology, e.g. eSD, e-MMC	Process improvement and simplification, new product rollouts, growing file sizes, and quality control	Process improvement and simplification as well as new product rollouts	New contracts from OEMs, programming solutions specified by OEMs	Capacity utilization of their installed base of equipment
Buying criteria	Throughput, technical capability to support evolving technology, global support, intellectual property protection, robust algorithms	Quality, reliability, configuration control, traceability, global support, intellectual property protection	Quality, reliability, configuration control, traceability	Lowest equipment procurement cost, global support	Flexibility, lowest life-cycle cost-per programmed-part, low changeover time; use of multiple vendors provides negotiating leverage

Data I/O's solutions address the programming of devices, a large, growing market, both in terms of devices and bits programmed. Semiconductor device shipments started the year with strong growth, but experienced declines later in the year and as a result were relatively flat for the full year 2011 compared to 2010. For 2012, 4% growth is forecast according to market research firm Gartner Inc. Markets that are expected to be key growth drivers include smart phones, tablet computers, e-readers, portable media players, set top boxes, televisions, automotive electronics, and new household appliances filled with electronics. The world's appetite for electronics grows despite global economic stress, and this growth is driving the semiconductor industry.

We believe that our sales are driven by the same forces that propel the semiconductor industry. We sell to the same firms that buy the semiconductors. When their business grows, they buy more semiconductors which, in turn, require additional programming equipment to maintain production speeds or program new device technologies, driving demand for our products.

Addressing High Growth, High Volume Markets. Data I/O's device programming solutions currently target two high growth, high volume markets: flash for mobile devices and microcontrollers for automotive electronics.

Growth drivers of NAND flash in Mobile Devices

- Flash unit volume experiencing explosive growth
- Increasing usage of NAND, especially managed NAND like e-MMC, replacing NOR due to its lower cost per bit
- Densities continue to increase, driving the need for more advanced and secure programming capabilities
- Higher densities driving new usage models such as tablet computers.
- The shift to the iPhone, Android, Blackberry and other smart phones

Growth drivers of microcontrollers and flash in Automotive

- Consumers desire advanced car features requiring higher levels of sophistication including infotainment products (audio, radio, satellite, navigation and wireless connectivity) as well as increased safety features and optimized engine functionality
- ~60 microcontrollers per vehicle
- Proliferation of programmable microcontrollers to support the next-generation electronic car systems
- Increasing use of high-density flash to provide memory for advanced applications that require programming

Increasingly, OEMs are outsourcing their device programming needs to EMS contract manufacturers to reduce capital expense and maximize profit margins. At the same time, these OEMs are also increasing their proprietary software content to accelerate new product introductions with more feature-rich, application-specific versions. While the outsourcing of manufacturing processes is essential to maximizing an OEM's profit margin, maintaining the integrity and control of the software, the OEM's core intellectual property, is increasingly complex in this outsourced environment, especially given the global nature of the manufacturing supply chain. Data I/O, with its comprehensive programming solution, provides OEM's with the ability to manage, monitor, audit and secure the software supply chain.

During 2011, we sold products to over 650 customers throughout the world. The following customers represented greater than 10% of sales in the applicable year:

2011 – Data Copy Limited, a distributor in China, accounted for approximately 11% of 2011 net sales.

2010 – No customer accounted for greater than 10% of 2010 net sales.

2009 – Flextronics accounted for approximately 12% of 2009 net sales.

The following customers represented greater than 10% of our consolidated accounts receivable balance as of December 31 of the applicable year:

2011 - Panasonic accounted for approximately 10% of our consolidated accounts receivable.

2010 - No customers accounted for more than 10% of our consolidated accounts receivable.

2009 - Flextronics accounted for approximately 23% of our consolidated accounts receivable.

Geographic Markets and Distribution

Data I/O markets and sells our products through a combination of direct sales, internal telesales and indirect sales representatives and distributors. We continually evaluate our sales channels against our evolving markets and customers and realign them as necessary to ensure that we reach our existing and potential customers in the most effective and efficient manner possible.

U.S. Sales

We market our products throughout the U.S. using a variety of sales channels, including our own field sales management personnel, independent sales representatives and a direct telesales organization. Our U.S. independent sales representatives obtain orders on an agency basis, with shipments made directly to the customer by Data I/O. Net sales in the United States for 2011, 2010 and 2009 were \$2,724,000, \$3,145,000 and \$2,268,000, respectively.

International Sales

International sales represented approximately 90%, 88% and 88% of net sales in 2011, 2010 and 2009, respectively. We make foreign sales through our wholly-owned subsidiaries in Germany and China, as well as through independent distributors and sales representatives located in 44 other countries. Our independent foreign distributors purchase Data I/O products in U.S. Dollars for resale and we recognize the sale at the time of shipment to the distributor. As with U.S. sales representatives, sales made by international sales representatives are on an agency basis, with shipments made directly to the customer by us.

Net foreign sales for 2011, 2010 and 2009 were \$23,942,000, \$23,251,000 and \$16,281,000, respectively. We determine total foreign sales by the international geographic area into which the products are sold and delivered, and include not only sales by foreign subsidiaries but also export sales from the U.S. to our foreign distributors and to our representatives' customers. Foreign sales do not include transfers between Data I/O and our foreign subsidiaries. Export sales are subject to U.S. Department of Commerce regulations. We have not, however, experienced difficulties to date as a result of these requirements.

Fluctuating exchange rates and other factors beyond our control, such as international monetary stability, tariff and trade policies and U.S. and foreign tax and economic policies, affect the level and profitability of foreign sales. We cannot predict the effect of such factors on our business, but we try to consider and respond to changes in these factors, particularly as the majority of our costs are U.S.-based while the vast majority of our sales are international.

Competition

The competition in the programming systems market is highly fragmented with a large number of smaller organizations offering inexpensive solutions. While we are not aware of any published industry market information covering the programming systems market, according to our internal analysis of competitors we estimate that for 2009, 2010 and 2011, Data I/O revenues were at least twice the size of the next largest direct competitor and approximately four times the size of the second largest direct competitor.

Data I/O primarily focuses on automated programming solutions and believes our solutions offer numerous advantages over alternative solutions as described in the following table:

Benefit Comparison	Data I/O Automated Solutions	Alternative Solutions		
		In-System Programming with ATE	Outsourced Programming	Manual Programming*
Eliminates production bottlenecks	x		x	
Requires few internal engineering resources	x		x	x
Programs large files quickly	x		x	
Supports multiple devices per board easily	x		x	x
Supports multiple boards per panel easily	x		x	x
Ensures minimum yield loss	x	x		
Enables intellectual property protections	x	x		
Automates quality tracking	x	x		
Ensures traceability and configuration control	x	x		
Minimize risk of human error	x	x		
No inventory at risk from software changes	x	x		
Just-in-time programming	x	x		
Integrates with factory software systems	x	x		

* Data I/O also offers manual programming solutions.

Manufacturing, Raw Materials and Backlog

Data I/O strives to manufacture and provide the best solutions for advanced programming. We received the “Manufacturer of the Year” Award in the category of small manufacturers from the Association of Washington Business in 2010. Data I/O primarily assembles and tests our products at our principal facility in Redmond, Washington and we outsource our circuit board manufacturing and fabrication. We have transferred most of our FlashCORE adapter production to China. We use a combination of standard components, proprietary custom ICs and fabricated parts manufactured to Data I/O specifications. Two significant outside suppliers of Data I/O proprietary products are located in Germany: Yamaichi manufactures our specialty sockets and Haberer Electronic manufactures our Sprint non-automated programming systems. Most components used are available from a number of different suppliers and subcontractors but certain items, such as some handler and programmer subassemblies, custom integrated circuits, hybrid circuits and connectors, are purchased from single sources. We believe that additional sources can be developed for present single-source components without significant difficulties in obtaining supplies. We cannot be sure that single-source components will always continue to be readily available. If we cannot develop alternative sources for these components, or if we experience deterioration in relationships with these suppliers, there may be delays or reductions in product introductions or shipments, which may materially adversely affect our operating results.

In accordance with industry practices, generally all orders are subject to cancellation prior to shipment without penalty, except for contracts calling for custom configuration. To date, such cancellations have not had a material effect on our sales volume. To meet customers’ delivery requirements, we manufacture certain products based upon a combination of backlog and anticipated orders. Most orders are scheduled for delivery within 1 to 60 days after receipt of the order. Our backlog of pending orders was approximately \$800,000, \$1.6 million and \$1.9 million as of December 31, 2011, 2010 and 2009, respectively. The size of backlog at any particular date is not necessarily a meaningful indicator of the trend of our business.

Research and Development

Data I/O believes that continued investment in research and development is critical to our future success. We continue to develop new technologies and products and enhance existing products. Future growth is to a large extent dependent upon the timely development and introduction of new products, as well as the development of algorithms to support the latest programmable devices. We are currently focusing our research and development efforts on strategic growth markets, namely new programming technology and automated handling systems for the manufacturing environment, including new programmer technologies, support for the latest FLASH memories and microcontrollers, additional platforms and improvements for ProLINE-RoadRunner, and new software capabilities. We also continue to focus on increasing our capacity and responsiveness for new device support requests from customers and programmable integrated circuit manufacturers by revising and enhancing our internal processes and tools. During this past year, our research and development efforts resulted in the release of RoadRunner3, Factory Integration Software and additional enhancements to our FlashCORE III programming architecture, as well as the release of the new FLXHD in February 2012.

During 2011, 2010 and 2009, we made expenditures for research and development of \$5,470,000 \$4,159,000 and \$4,128,000, respectively, representing 20.5%, 15.8% and 22.3% of net sales, respectively. Research and development costs are expensed as incurred.

Patents, Copyrights, Trademarks and Licenses

Data I/O relies on a combination of patents, copyrights, trade secrets and trademarks to protect our intellectual property, as well as product development and marketing skill, to establish and protect our market position. We have continued to add new patents to our patent portfolio over the past few years as we developed strategic new technologies.

On April 29, 2011, Data I/O acquired software technology consisting of patents, software source code, and other intellectual property which we now call Azido. This software technology is used in our internal development efforts, is expected to be incorporated into new products currently in development, and is expected to be the basis for new software offerings in adjacent market spaces.

We attempt to protect our rights in proprietary software products, including TaskLink and other software products, by retaining the title to and copyright of the software and documentation, by including appropriate contractual restrictions on use and disclosure in our licenses, and by requiring our employees to execute non-disclosure agreements. Our software products are not typically sold separately from sales of programming systems. However, on those occasions where software is sold separately, revenue is recognized when a sales agreement exists, delivery has occurred, the fee is fixed or determinable, and

collectability is probable. For certain contract software development projects, revenue is recognized using the percentage-of-completion methodology.

Because of the rapidly changing technology in the semiconductor, electronic equipment and software industries, portions of our products might possibly infringe upon existing patents or copyrights, and we may be required to obtain licenses or discontinue the use of the infringing technology. We believe that any exposure we may have regarding possible infringement claims is a reasonable business risk similar to that assumed by other companies in the electronic equipment and software industries. However, any claim of infringement, with or without merit, could be costly and a diversion of management's attention, and an adverse determination could adversely affect our reputation, preclude us from offering certain products, and subject us to substantial liability.

Employees

As of December 31, 2011, we had a total of 100 employees, of which 43 were located outside the U.S. and 7 of which are part time. We also utilize independent contractors for specialty work, primarily in research and development, and utilize temporary workers to adjust capacity to fluctuating demand and for special projects. Many of our employees are highly skilled and our continued success will depend in part upon our ability to attract and retain employees who can be in great demand within the industry. None of our employees are represented by a collective bargaining unit and we believe relations with our employees are favorable. In foreign countries we have employment agreements or, in China, the Shanghai Foreign Services Co., Ltd. ("FSCO") labor agreement.

Environmental Compliance

Our facilities are subject to numerous laws and regulations concerning the discharge of materials or otherwise relating to the environment. Compliance with environmental laws has not had, nor is it expected to have, a material effect on our capital expenditures, financial position, results of operations or competitive position. See Item 3, Legal Proceedings, regarding the Rowley Properties, Inc. claim.

Executive Officers of the Registrant

Set forth below is certain information concerning the executive officers of Data I/O as of March 12, 2012:

<u>Name</u>	<u>Age</u>	<u>Position</u>
Frederick R. Hume	69	President and Chief Executive Officer
Joel S. Hatlen	53	Vice President and Chief Financial Officer Secretary and Treasurer
Gordon B. Bluechel	49	Vice President, Operations and Administration

Frederick R. Hume joined Data I/O as President and Chief Executive Officer in February 1999. He was appointed to the Board of Directors of Data I/O in January 1999. From 1988 until his retirement in 1998, Mr. Hume served as Vice President and General Manager of Keithley Instruments in Cleveland, Ohio. From 1972 to 1988, he held various management positions at Fluke Corporation, including Group Vice President for Manufacturing and Research and Development.

Joel S. Hatlen joined Data I/O in September 1991 and became Chief Accounting Officer and Corporate Controller in February 1997. In January 1998, he was promoted to Vice President of Finance and Chief Financial Officer, Secretary and Treasurer. He began his career at Data I/O as a Senior Tax Accountant and became Tax Manager in December 1992 and Corporate Controller in December 1993. From September 1981 until joining Data I/O, Mr. Hatlen was employed by Ernst & Young LLP as a Certified Public Accountant, where his most recent position was Senior Manager.

Gordon B. Bluechel joined Data I/O in November 1992 and was named an executive officer in November 2008. He currently serves as the Vice President of Operations and Administration. Prior to his current role, he served as Vice President/Director of Operations beginning in 2007, Director of Operations from 2005 to 2007, General Manager of In-System Programming from 2004 to 2005, Director of Americas Sales and Service from 2002 to 2004, Director of Worldwide Service from 2001 to 2002, General Manager of Sprint Operations in Germany from 2000 to 2001. Prior to being named General Manager of Sprint Operations, Mr. Bluechel held various management and staff positions with Data I/O Corporation.

Data I/O is implementing a Chief Executive Officer succession plan after Frederick R. Hume, its President and CEO, advised the Board of Directors on March 1, 2012 that he plans to retire on or before the end of the fiscal year on December 31, 2012, or at such time as a suitable successor President and Chief Executive Officer can be identified and appointed by the our Board. Data I/O has retained a search firm to assist in this process. Frederick R. Hume and Data I/O Corporation entered into a Separation Agreement on March 1, 2012. To help Data I/O by remaining in his present positions and to assist in the CEO succession search and transition process, the Separation Agreement terms include: a release of claims; Mr. Hume agreeing to a 2 year non-competition and non-solicitation period; termination of his current Amended and Restated Executive Agreement for Data I/O Corporation (“change-in-control” arrangement) and his rights under the employee severance arrangement; payments totaling \$350,000; and vesting in the 2012 incentive amount, under the Management Incentive Compensation Plan (MICP), determined as of his Retirement Date with pro-rata calculations for time employed in 2012.

Item 1A. Risk Factors

Cautionary Factors That May Affect Future Results

Data I/O’s disclosure and analysis in this Annual Report contains some forward-looking statements. Forward-looking statements include our current expectations or forecasts of future events. The reader can identify these statements by the fact that they do not relate strictly to historical or current facts. In particular, these include statements relating to future action, prospective products, new technologies, establishing foreign operations, future performance or results of current and anticipated products, sales efforts, expenses, outsourcing of functions, outcome of contingencies, impact of regulatory requirements, restructure actions and financial results.

Any or all of the forward-looking statements in this Annual Report or in any other public statement made may turn out to be wrong. They can be affected by inaccurate assumptions we might make, or known or unknown risks and uncertainties can affect these forward-looking statements. Many factors -- for example, product competition and product development -- will be important in determining future results. Moreover, neither Data I/O nor anyone else assumes responsibility for the accuracy and completeness of these forward-looking statements. Actual future results may materially vary.

We undertake no obligation to publicly update any forward-looking statements after the date of this Annual Report, whether as a result of new information, future events or otherwise. The reader should not unduly rely on our forward-looking statements. The reader is advised, however, to consult any future disclosures Data I/O makes on related subjects in our 10-Q, 8-K and 10-K reports to the SEC and press releases. Also, note that Data I/O provides the following cautionary discussion of risks, uncertainties and possible inaccurate assumptions relevant to our business. These are factors that we think could cause Data I/O’s actual results to differ materially from expected and historical results. Other factors besides those listed here could also adversely affect Data I/O. This discussion is permitted by the Private Securities Litigation Reform Act of 1995.

RISK FACTORS

A decline in economic and market conditions may result in decreased capital spending and delayed or defaulted payments from our customers.

Our business is highly impacted by capital spending plans and other economic cycles that affect the users and manufacturers of integrated circuits. These industries are highly cyclical and are characterized by rapid technological change, short product life cycles and fluctuations in manufacturing capacity and pricing and gross margin pressures. As we experienced in recent years and are currently experiencing, our operations may in the future reflect substantial fluctuations from period-to-period as a consequence of these industry patterns, general economic conditions affecting the timing of orders from major customers, and other factors affecting capital spending. In a difficult economic climate it may take us longer to receive payments from our customers and some of our customers’ business may fail, resulting in non-payment. These factors could have a material adverse effect on our business and financial condition.

Delays in development, introduction and shipment of new products or services may result in a decline in sales.

Data I/O develops new engineering and automated programming systems and services. Significant technological, supplier, manufacturing or other problems may delay the development, introduction or production of these products or services.

For example, we may encounter these problems:

- technical problems in the development of a new programming system platform or the robotics for new automated handling systems

- inability to hire qualified personnel
- delays or failures to perform by third parties involved in our development projects
- development of new services that are not accepted by the market

Delays in the development, completion and shipment of new products or services, or customers not accepting new products, may result in a decline in sales.

Quarterly fluctuations in our operating results may adversely affect our stock price.

Data I/O's operating results tend to vary from quarter to quarter. Our revenue in each quarter substantially depends upon orders received within that quarter. Conversely, our expenditures are based on investment plans and estimates of future revenues. We may, therefore, be unable to quickly reduce our spending if our revenues decline in a given quarter. As a result, operating results for that quarter will suffer. Our results of operations for any one quarter are not necessarily indicative of results for any future periods.

Other factors, which may cause our quarterly operating results to fluctuate, include:

- increased competition
- timing of new product announcements and timing of development expenditures
- product or service releases and pricing changes by us or our competitors
- market acceptance or delays in the introduction of new products or services
- production constraints
- quality issues
- labor or material shortages (such as supply chain disruptions from the earthquake in Japan)
- the timing of significant orders
- the sales channel mix of direct vs. indirect distribution
- civil unrest, war or terrorism
- health issues (such as the outbreak of a virus)
- customers' budgets
- adverse movements in exchange rates, interest rates or tax rates
- cyclical and seasonal nature of demand for our customers' products
- general economic conditions in the countries where we sell products
- expenses and obtaining authorizations in setting up new operations or locations

Due to all of the foregoing factors, it is possible that in some future quarters, our operating results will be below expectations of analysts and investors.

Failure to adapt to technology trends in our industry may hinder our competitiveness and financial results.

Product and service technology in Data I/O's industry evolves rapidly, making timely product innovation essential to success in the marketplace. Introducing products and services with improved technologies or features may render our existing products obsolete and unmarketable. Technological advances that may negatively impact our business include:

- new device package types, densities and technologies requiring hardware and software changes in order to be programmed by our products
- electronics equipment manufacturing practices, such as widespread use of in-circuit programming
- customer software platform preferences different from those on which our products operate
- more rigid industry standards, which would decrease the value-added element of our products and support services

If we cannot develop products or services in a timely manner in response to industry changes, or if our products or services do not perform well, our business and financial condition may be adversely affected. Also, our new products or services may contain defects or errors that give rise to product liability claims against us or cause our products to fail to gain market acceptance. Our future success depends on our ability to successfully compete with other technology firms in attracting and retaining key technical personnel.

We have a history of recent operating losses and may be unable to generate enough revenue to achieve and maintain profitability.

We have incurred operating losses in one of the last five years and four of the last ten years. We operate in a cyclical industry. We will continue to examine our level of operating expense based upon our projected revenues. Any planned increases in operating expenses may result in losses in future periods if projected revenues are not achieved. As a result, we may need to generate greater revenues than we have recently to achieve and maintain profitability. However, we cannot provide assurance that our revenues will increase and our strategy may not be successful, resulting in future losses.

We may need to raise additional capital and our future access to capital is uncertain.

Our past revenues have occasionally been, and our future revenues may again be insufficient to support the expense of our operations and any expansion of our business. We may therefore need additional equity or debt capital to finance our operations. If we are unable to generate sufficient cash flows from operations or to obtain funds through additional debt or equity financing, we may have to reduce some or all of our development and sales and marketing efforts and limit the expansion of our business.

We believe our existing cash and cash equivalents will be sufficient to meet our working capital requirements for at least the next twelve months. Thereafter, depending on the development of our business, we may need to raise additional cash for working capital or other expenses. We may also encounter opportunities for acquisitions or other business initiatives that require significant cash commitments, or unanticipated problems or expenses that could result in a requirement for additional cash before that time.

Therefore, we may seek additional funding through public or private debt or equity financing or from other sources. We have no commitments for additional financing, and given the current economic climate may experience difficulty in obtaining funding on favorable terms, if at all. Any financing we obtain may contain covenants that restrict our freedom to operate our business or may require us to issue securities that have rights, preferences or privileges senior to our Common Stock and may dilute your ownership interest.

We may face increased competition and may not be able to compete successfully with current and future competitors.

Technological advances have reduced the barriers of entry into the programming systems market. We expect competition to increase from both established and emerging companies. If we fail to compete successfully against current and future sources of competition, our profitability and financial performance will be adversely impacted.

If our relationship with semiconductor manufacturers deteriorates, our business may be adversely affected.

We work closely with most semiconductor manufacturers to ensure that our programming systems comply with their requirements. In addition, many semiconductor manufacturers recommend our programming systems for use by users of their programmable devices. These working relationships enable us to keep our programming systems product lines up to date and provide end-users with broad and current programmable device support. Our business may be adversely affected if our relationships with semiconductor manufacturers deteriorate.

Our reliance on a small number of suppliers may result in a shortage of key components, which may adversely affect our business, and our suppliers may experience financial difficulties which could effect their ability to service Data I/O's needs.

Certain parts used in our products are currently available from either a single supplier or from a limited number of suppliers. If we cannot develop alternative sources of these components, if sales of parts are discontinued by the supplier, if we experience deterioration in our relationship with these suppliers, or if these suppliers require financing which is not available there may be delays or reductions in product introductions or shipments, which may materially adversely affect our operating results.

Because we rely on a small number of suppliers for certain parts, we are subject to possible price increases by these suppliers. Also, we may be unable to accurately forecast our production schedule. If we underestimate our production schedule,

suppliers may be unable to meet our demand for components. This delay in the supply of key components may materially adversely affect our business. Over estimation of demand will lead to excess inventories that may become obsolete.

Certain of our programming system products are currently manufactured to our specifications by a third-party foreign contract manufacturers. We may not be able to obtain a sufficient quantity of these products if and when needed, which may result in lost sales.

If we are unable to attract and retain qualified third-party distributors and representatives, our business may be adversely affected.

Data I/O has an internal sales force and also utilizes third-party distributors and representatives. Therefore, the financial stability of these distributors and representatives is important. Their ability to timely pay Data I/O and to acquire any necessary financing may be affected by the current economic climate. Highly skilled professional engineers use most of our products. To be effective, third-party distributors and representatives must possess significant technical, marketing and sales resources and must devote their resources to sales efforts, customer education, training and support. These required qualities limit the number of potential third-party distributors and representatives. Our business will suffer if we cannot attract and retain a sufficient number of qualified third-party distributors and representatives to market our products.

Our international operations may expose us to additional risks that may adversely affect our business.

International sales represented approximately 90%, 88% and 88% of our net revenue for the fiscal years ended December 31, 2011, 2010 and 2009, respectively. We expect that international sales will continue to be a significant portion of our net revenue. International sales may fluctuate due to various factors, including:

- migration of manufacturing to low cost geographies
- unexpected changes in regulatory requirements
- tariffs and taxes
- difficulties in establishing, staffing and managing foreign operations
- longer average payment cycles and difficulty in collecting accounts receivable
- fluctuations in foreign currency exchange rates
- compliance with applicable export licensing requirements
- product safety and other certification requirements
- difficulties in integrating foreign and outsourced operations
- civil unrest, political and economic instability

Because we have customers located throughout the world, we have significant foreign receivables. We may experience difficulties in collecting these amounts as a result of payment practices of certain foreign customers, the availability and reliability of foreign credit information, and potential difficulties in enforcing collection terms.

The European Community and European Free Trade Association (“EU”) has established certain electronic emission and product safety requirements (“CE”). As applicable, our products currently meet these requirements, however, failure to obtain either a CE certification or a waiver for any product may prevent us from marketing that product in Europe. The EU also has directives concerning the Reduction of Hazardous Substances (“RoHS”) from which Data I/O is relying on an exemption for test and measurement companies. China is implementing similar requirements. Failure to meet applicable directives or qualifying exemptions may prevent us from marketing certain products in Europe or other territories with similar requirements.

We have subsidiaries in Germany, China, Hong Kong, Brazil and Canada. Our business and financial condition is sensitive to currency exchange rates or any other restrictions imposed on their currencies. Currency exchange fluctuations in these countries may adversely affect our investment in our subsidiaries.

If we are unable to protect our intellectual property, we may not be able to compete effectively or operate profitably.

Data I/O relies on patents, copyrights, trade secrets and trademarks to protect our intellectual property, as well as product development and marketing skill to establish and protect our market position. We attempt to protect our rights in proprietary

software products, including TaskLink, our intellectual property software, and other software products by retaining the title to and copyright of the software and documentation, by including appropriate contractual restrictions on use and disclosure in our licenses, and by requiring our employees to execute non-disclosure agreements.

Because of the rapidly changing technology in the semiconductor, electronic equipment and software industries, portions of our products might possibly infringe upon existing patents or copyrights, and we may be required to obtain licenses or discontinue the use of the infringing technology. We believe that any exposure we may have regarding possible infringement claims is a reasonable business risk similar to that assumed by other companies in the electronic equipment and software industries. However, any claim of infringement, with or without merit, could be costly and a diversion of management's attention, and an adverse determination could adversely affect our reputation, preclude us from offering certain products, and subject us to substantial liability.

We may pursue business acquisitions that could impair our financial position and profitability.

We may pursue acquisitions of complementary technologies, product lines or businesses. Future acquisitions may include risks, such as:

- burdening management and our operating teams during the integration of the acquired entity
- diverting management's attention from other business concerns
- failing to successfully integrate the acquired products
- lack of acceptance of the acquired products by our sales channels or customers
- entering markets where we have no or limited prior experience
- potential loss of key employees of the acquired company
- additional burden of support for an acquired programmer architecture

Future acquisitions may also impact Data I/O's financial position. For example, we may use significant cash or incur additional debt, which would weaken our balance sheet. We may also capitalize goodwill and intangible assets acquired, the impairment of which would reduce our profitability. We cannot guarantee that future acquisitions will improve our business or operating results.

The loss of key employees may adversely affect our operations.

We have employees located in the U.S., Germany and China. We also utilize independent contractors for specialty work, primarily in research and development, and utilize temporary workers to adjust capacity to fluctuating demand. Many of our employees are highly skilled and our continued success will depend in part upon our ability to attract and retain employees who can be in great demand within the industry. None of our employees are represented by a collective bargaining unit and we believe relations with our employees are favorable, though no assurance can be made that this will be the case in the future. In China, our workers are "leased" with the arrangements made under the Shanghai Foreign Services Co., Ltd. ("FSCO") labor agreement and we could be adversely affected if we were unable to continue that arrangement.

Our Chief Executive Officer succession plan implementation, search process and transition involves significant costs and risks that may adversely affect our business.

Mr. Hume, Data I/O's Chief Executive Officer or CEO, announced his planned retirement by the end of 2012. We are implementing our CEO succession plan. Our ability to select, attract and hire a new CEO may prove difficult, take more time than anticipated, and be costly. This may require other senior management to divert part of their attention from their primary duties, which could have a material adverse effect on our business or operations. In addition, the new CEO transition could be disruptive to the organization, business plans, and retention of other team members.

Failure to comply with regulatory requirements may adversely affect our stock price and business.

As a public company, we are subject to numerous governmental and stock exchange requirements, with which we believe we are in compliance. Our failure to meet regulatory requirements and exchange listing standards may result in actions such as: the delisting of our stock, impacting our stock's liquidity; SEC enforcement actions; and securities claims and litigation.

The Sarbanes-Oxley Act of 2002 and the Securities and Exchange Commission (SEC) have requirements that we may fail to meet by the required deadlines or we may fall out of compliance with, such as the internal controls auditor attestation required under Section 404 of the Sarbanes-Oxley Act of 2002, with which we are not currently required to comply as we are a smaller reporting company. Data I/O assumes it will continue to have the status of a smaller reporting company based on the aggregate market value of the voting and non-voting shares held as of June 30, 2011. If we fail to achieve and maintain the adequacy of our internal controls, as such standards are modified, supplemented or amended from time to time, we may not be able to ensure that we can conclude on an ongoing basis that we have effective internal controls over financial reporting in accordance with Section 404 of the Sarbanes-Oxley Act of 2002. Moreover, effective internal controls, particularly those related to revenue recognition, are necessary for us to produce reliable financial reports and are important to help prevent financial fraud. If we cannot provide reliable financial reports or prevent fraud, our business and operating results could be harmed, investors could lose confidence in our reported financial information, and the trading price of our stock could drop significantly.

While we have policies and procedures in place designed to prevent corruption and bribery, because our business is 90% international, violations of the Foreign Corrupt Practices Act (FCPA) could have a significant adverse effect on our business due to the disruption and distraction of an investigation, financial penalties and criminal penalties.

Government regulations regarding the use of "conflict" minerals could adversely affect our prospects and results of operations.

Proposed regulatory developments regarding the use of "conflict" minerals mined from the Democratic Republic of Congo and adjoining countries could affect the sourcing and availability of minerals used in the manufacture of certain products. Although we do not buy raw materials, manufacture, or produce any electronic equipment using conflict minerals directly, the proposed regulation may affect some of our suppliers. As a result, there may only be a limited pool of suppliers who provide conflict free metals, and we cannot assure you that we will be able to obtain products in sufficient quantities or at competitive prices. Also, because our supply chain is complex, we may face reputational challenges with our customers and other stakeholders if we are unable to sufficiently verify the origins for all metals used in the products that we sell. Further, if we are unable to comply with the new laws or regulations or if our efforts to comply with new laws, regulations and standards differ from the activities intended by regulatory or governing bodies due to ambiguities related to practice, regulatory authorities may initiate legal proceedings against us. We may need to incur additional costs and invest additional resources, including management's time, in order to comply with the new regulations and anticipated additional reporting and disclosure obligations.

Our stock price may be volatile and, as a result, you may lose some or all of your investment.

The stock prices of technology companies tend to fluctuate significantly. We believe factors such as announcements of new products or services by us or our competitors and quarterly variations in financial results may cause the market price of Data I/O's Common Stock to fluctuate substantially. In addition, overall volatility in the stock market, particularly in the technology company sector, is often unrelated to the operating performance of companies. If these market fluctuations continue in the future, they may adversely affect the price of Data I/O's Common Stock.

Cyber security breaches or terrorism could result in liabilities or costs as well damage to our data or customer access to our website and information systems. The collection, storage, transmission, use and disclosure of user data and personal information could give rise to liabilities or additional costs as a result of laws, governmental regulations and evolving views of personal privacy rights.

Cyber security breaches or terrorism could result in the exposure or theft of private or confidential information as well as interrupt our business, including denying customer access to website and our information systems. We transmit, and in some cases store, end-user data, including personal information. In jurisdictions around the world, personal information is becoming increasingly subject to legislation and regulations intended to protect consumers' privacy and security. The interpretation of privacy and data protection laws and regulations regarding the collection, storage, transmission, use and disclosure of such information in some jurisdictions is unclear and evolving. These laws may be interpreted and applied in conflicting ways from country to country and in a manner that is not consistent with our current data protection practices. Complying with these varying international requirements could cause us to incur additional costs and change our business practices. Because our services are accessible in many foreign jurisdictions, some of these jurisdictions may claim that we are required to comply with their laws, even where we have no local entity, employees or infrastructure. We could be forced to incur significant expenses if we were required to modify our products, our services or our existing security and privacy procedures in order to comply with new or expanded regulations.

Item 1B. Unresolved Staff Comments

None.

Item 2. Properties

Data I/O amended its lease agreement for the Redmond, Washington headquarters facility effective February 1, 2011, extending the term to August 2016, lowering the square footage to 32,646 and lowering the rental rate. The lease square footage increases to 33,676 effective February 1, 2014. The lease base annual rental payments during 2011, 2010 and 2009 were approximately \$326,000, \$587,000 and \$570,000, respectively.

In addition to the Redmond facility, approximately 13,000 square feet is leased at three foreign locations, including our German sales, service and engineering operations located in Munich, Germany, under a five-year lease starting in 2010, a sales, service, operations and engineering office located in Shanghai, China under a two-year lease starting in 2011 and a logistics office located in Hong Kong under a one-year lease starting in 2011.

Item 3. Legal Proceedings

As of December 31, 2011, Data I/O was not a party to any legal proceedings, the adverse outcome of which in management's opinion, individually or in the aggregate, would have a material adverse effect on our results of operations or financial position.

From time to time, we may be involved in litigation relating to claims arising out of our operations in the normal course of business.

As previously disclosed, on January 22, 2008, our former landlord, (now known as Rowley Properties, Inc.), filed a Complaint in the Superior Court of Washington for King County (No. 08-2-03518-2 SEA) against Data I/O, Robert/Barbara Hiester and Steven/Jane Doe Hiester. The claims against Data I/O include breach of agreement, waste and an environmental remediation claim for contribution under RCW 70.105D.080. No claim amount was specified in the Complaint. The claims relate to a former circuit board fabrication business that Data I/O operated from 1978 to October 1988. We sold that business to Circuit Partners whose officers and principal shareholders were Robert and Barbara Hiester. We agreed to settle this case with Rowley Properties, Inc. with the settlement amount paid by our insurer. In April of 2009, Rowley Properties, Inc. and Data I/O entered into a mutual release and settlement agreement in which they released each other from claims related to this case and Rowley Properties, Inc. indemnified Data I/O against any claims from the other defendants related to this case.

Item 4. Mine Safety Disclosures

Not Applicable.

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

The following table shows, for the periods indicated, the high and low price information for Data I/O's Common Stock as reported by the NASDAQ Capital Market (NASDAQ symbol is DAIO). The closing price was \$3.74 on December 30, 2011.

	<u>Period</u>	<u>High</u>	<u>Low</u>
2011	Fourth Quarter	\$4.79	\$3.32
	Third Quarter	6.19	4.14
	Second Quarter	6.25	5.56
	First Quarter	6.24	5.01
2010	Fourth Quarter	\$6.05	\$4.86
	Third Quarter	5.44	3.90
	Second Quarter	5.35	3.75
	First Quarter	4.73	3.67

The approximate number of shareholders of record as of March 12, 2012 was 563.

Except for special cash dividend of \$4.15 per share paid on March 8, 1989, Data I/O has not paid cash dividends on our Common Stock and does not anticipate paying regular cash dividends in the foreseeable future.

No sales of unregistered securities were made by Data I/O during the periods ended December 31, 2011 and 2010 except for the issuance of 163,934 shares (\$1 Million) in connection with the software technology acquisition on April 29, 2011.

See Item 12 for the Equity Compensation Plan Information.

ISSUER PURCHASES OF EQUITY SECURITIES

	<u>Total Number of Shares Purchased</u>	<u>Average Price Paid per Share</u>	<u>Total Number of Shares Purchased as Part of Publicly Announced Repurchase Program</u>	<u>Approximate Dollar Value of Shares that May Yet Be Purchased under the Program (1)</u>
November 1, 2011-November 30, 2011	32,068	\$3.88	32,068	\$874,328
December 1, 2011-December 31, 2011	30,848	\$4.07	30,848	\$747,463
Total	<u>62,916</u>	<u>\$3.97</u>	<u>62,916</u>	

(1) On October 20, 2011, we announced a stock repurchase program to buy back up to \$1 million dollars of stock over four quarters. Through December 31, 2011, Data I/O repurchased 62,916 shares of stock at an average price of \$3.97 for a total repurchase amount of \$249,986 plus \$2,517 in commissions. Events subsequent to year end are not reflected in the above table. On January 9, 2012, our board of directors approved a new and expanded 2012 share repurchase program with provisions to buy back up to \$6 million dollars of stock. The program included establishing a Rule 10b5-1 plan under the Exchange Act to provide flexibility to make purchases at any time. The 10b5-1 trading plan allows us to repurchase our common stock in the open market during periods in which stock trading is otherwise closed for us. On January 13, 2012, the October 2011 stock repurchase program was terminated and the new expanded program went into effect. During 2012, approximately 1.5 million shares have been repurchased for approximately \$6.0 million.

Item 6. Selected Financial Data

Not applicable.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K includes forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. This Act provides a “safe harbor” for forward-looking statements to encourage companies to provide prospective information about themselves as long as they identify these statements as forward-looking and provide meaningful cautionary statements identifying important factors that could cause actual results to differ from the projected results. All statements other than statements of historical fact made in this Annual Report on Form 10-K are forward-looking. In particular, statements herein regarding economic outlook, industry prospects and trends; future results of operations or financial position; breakeven revenue point; integration of acquired products and operations; market acceptance of our newly introduced or upgraded products or services; development, introduction and shipment of new products or services; changing foreign operations; and any other guidance on future periods are forward-looking statements. Forward-looking statements reflect management's current expectations and are inherently uncertain. Although Data I/O believes that the expectations reflected in these forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance, achievements, or other future events. Moreover, neither Data I/O nor anyone else assumes responsibility for the accuracy and completeness of these forward-looking statements. Data I/O is under no duty to update any of these forward-looking statements after the date of this Annual Report. The Reader should not place undue reliance on these forward-looking statements. The following discussions and the section entitled “Risk Factors – Cautionary Factors That May Affect Future Results” describes some, but not all, of the factors that could cause these differences.

OVERVIEW

We continued to focus on our primary goal of managing the business to grow profits while developing, launching and enhancing products to drive revenue and earnings growth. Our challenge continues to be operating in a cyclical and rapidly evolving industry environment. We are continuing our efforts to balance business geography shifts, increasing costs and strategic investments in our business with the level of demand and mix of business we expect.

Frederick R. Hume, our President and CEO, advised the Board of Directors on March 1, 2012 that he plans to retire on or before December 31, 2012, or at such time as a suitable successor President and Chief Executive Officer can be identified and appointed by our Board. Data I/O has retained a search firm to assist in this process. Mr. Hume and Data I/O entered into a Separation Agreement on March 1, 2012. See Note 15 to the accompanying consolidated financial statements for further information on this subsequent event.

From January through July 2011, we retained TM Capital as a financial advisor to assist with developing and pursuing a range of strategic options for Data I/O. These strategic options included acquisitions, marketing and sale of Data I/O, uses of cash, and execution of the Data I/O's current development strategies. Following a detailed review of the available options, we determined that continued execution of the current development strategies, as well as implementation of share repurchase programs, were the best alternatives to pursue.

We are focusing our research and development efforts in our strategic growth markets, namely new programming technology, automated programming systems for the manufacturing environment and software tools for design engineers. We continue to focus on extending the capabilities and support for our FlashCORE architecture, and the RoadRunner, FLX, PS and FlashPAK product lines. Our applications innovation strategy provides complete solutions to target customer's business problems. These solutions generally have a larger software element, may involve third-party components, and in many cases will be developed or customized to address the specific requirements of individual customers. We believe by adding these features to our strategic product platforms, we will continue to set ourselves apart from other product suppliers and elevate our relationships with our customers to a partner level. Our acquisition of software technology in April of 2011, which we now call Azido, was considered a foundational technology for Data I/O, as we use the software in the development of our programming technology to combine with other solutions and for potential commercialization as a tool itself.

Our customer focus has been on strategic high volume manufacturers in key market segments like wireless, automotive, industrial controls and programming centers and supporting NAND Flash, like e-MMC, and microcontrollers on our newer products to gain new accounts. We continued to expand our China operations to take advantage of the growth of manufacturing in China and to operate close to our customers.

We continued to address the effectiveness of our sales and marketing organization and sales channels by adding and changing channels and by providing all of our channel partners with extensive product and sales training. We recognized the need to diversify our customer base and are continuing to take steps to broaden and improve our channels of distribution and

representation to reach a greater number of customers. We believe these channel changes will help us grow our business more rapidly, both by adding new customers and increasing penetration of existing accounts.

BUSINESS RESTRUCTURING PROGRESS

As a result of the business down turn we were experiencing in the fourth quarter of 2008 and the uncertain business outlook at that time, restructuring actions were taken to reduce expenses. This resulted in restructuring charges, primarily related to severance, of \$542,000 for the year 2008. We took additional actions in 2009 totaling \$203,000 to flatten and streamline the organization as well as reduce costs by decreasing the size of our Board and abandoning a portion of our building space. At December 31, 2010, restructure costs of \$58,000 remained accrued, which in February 2011 were incorporated in a lease amendment. No restructure amounts remain accrued at December 31, 2011.

CRITICAL ACCOUNTING POLICY JUDGMENTS AND ESTIMATES

The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires that we make estimates and judgments, which affect the reported amounts of assets, liabilities, revenues and expenses, and related disclosures of contingent assets and liabilities. On an on-going basis, Data I/O evaluates our estimates, including those related to sales returns, bad debts, inventories, investments, intangible assets, income taxes, warranty obligations, restructuring charges, contingencies such as litigation and contract terms that have multiple elements and other complexities typical in the capital equipment industry. We base our estimates on historical experience and other assumptions that we believe are reasonable under the circumstances. Actual results may differ from these estimates under different assumptions or conditions.

Data I/O believes the following critical accounting policies affect the more significant judgments and estimates used in the preparation of our financial statements:

Revenue Recognition: Sales of Data I/O's semiconductor programming equipment are recognized at the time of shipment. We have determined that our automated products have reached a point of maturity and stability such that product acceptance can be assured by testing at the factory prior to shipment and that the installation meets the criteria to be considered a separate element. These systems are standard products with published product specifications and are configurable with standard options. The evidence that these systems could be accepted was based upon having standardized factory production of the units, results from batteries of tests of product performance to our published specifications, quality inspections and installation standardization, as well as past product operation validation with customers and the history provided by our installed base of products upon which the current versions were based. When arrangements include multiple elements, we recognize revenue when the criteria for revenue recognition have been met for each element individually. Effective January 1, 2011, under the provision of ASU 2009-13 Revenue Recognition (Topic 605), the allocation of revenue among multiple elements is done on a pro-rata versus residual basis for the recognized revenue. This change did not materially affect our financial statements. The amount of revenue recognized is affected by our judgments as to the collectability of the transaction or whether an arrangement includes multiple elements and if so, whether specific objective evidence of selling price exists for those elements. The measure of standalone selling price of the product versus the service installation value component is determined by the amount Data I/O pays to independent representative service groups or the amount of additional discount given to independent distributors, to provide the service installation. Changes to the elements in an arrangement and the ability to establish specific objective evidence for those elements could affect the timing of the revenue recognition. These conditions could be subjective and actual results could vary from the estimated outcome.

Installation that is considered perfunctory includes any installation that can be performed by other parties, such as distributors, other vendors, or in most cases the customer themselves. This takes into account the complexity, skill, and training needed as well as customer expectations regarding installation. The revenue related to products requiring installation that is perfunctory is recognized at the time of shipment provided that persuasive evidence of an arrangement exists, shipment has occurred, the price is fixed or determinable, and collectability is reasonably assured.

We record revenue from the sale of service and update contracts as deferred revenue and we recognize it on a straight-line basis over the contractual period, which is typically one year. Service revenue from time and materials contracts and training services is recognized as services are performed. We recognize software revenue upon shipment provided that no significant obligations remain on our part, substantive acceptance conditions, if any, have been met and when the fee is fixed and determinable and when collection is deemed probable.

Certain fixed-price engineering service contracts that require significant production, modification, or customization of software, are accounted for using the percentage-of-completion method. We use the percentage-of-completion method of accounting because it is the most accurate method to recognize revenue based on the nature and scope of our fixed-price

professional engineering service contracts; it is a better measure of periodic income results than other methods and it better matches revenue recognized with the costs incurred. Percentage of completion is measured based primarily on input measures such as hours incurred to date compared to total estimated hours to complete, with consideration given to output measures, such as contract milestones, when applicable. Significant judgment is required when estimating total hours and progress to completion on these arrangements, which determines the amount of revenue we recognize as well as whether a loss is recognized if one is expected to be incurred upon project completion. Revisions to hour and cost estimates are incorporated in the period the amounts are recognized if the results of the period have not been reported; otherwise, the revision of estimates are recognized in the period in which the facts that give rise to the revision become known.

We establish a reserve for sales returns based on historical trends in product returns and estimates for new items. Data I/O has a stated return policy that customers can return standard products for any reason within 30 days after delivery provided that the returned product is received in its original condition, including all packaging materials, for a refund of the price paid less a restocking charge of 30% of the total amount invoiced for the product returned, unless such restocking charge is waived by Data I/O. For us to recognize revenue, the price is fixed or determinable at the date of the sale, the buyer has paid or is obligated to pay and the obligation is not contingent on resale of the product, the buyer's obligation would not be changed in the event of theft, physical destruction or damage to the product, the buyer acquiring the product for resale has economic substance apart from Data I/O and we have no contractual obligations for future performance to directly bring about the resale of the product by the buyer.

Allowance for Doubtful Accounts: We base the allowance for doubtful accounts receivable on our assessment of the collectability of specific customer accounts and the aging of accounts receivable. If there is deterioration of a major customer's credit worthiness or actual defaults are higher than historical experience, our estimates of the recoverability of amounts due to us could be adversely affected.

Inventory: Inventories are stated at the lower of cost or market. Adjustments are made to standard cost, which approximates actual cost on a first-in, first-out basis. We estimate reductions to inventory for obsolete, slow-moving, excess and non-salable inventory by reviewing current transactions and forecasted product demand. We evaluate our inventories on an item by item basis and record inventory adjustments accordingly. If there is a significant decrease in demand for our products or there is a higher risk of inventory obsolescence because of rapidly changing technology and customer requirements, Data I/O may be required to increase our inventory adjustments and our gross margin could be adversely affected.

Warranty Accruals: Data I/O accrues for warranty costs based on the expected material and labor costs to fulfill our warranty obligations. If we experience an increase in warranty claims, which are higher than our historical experience, our gross margin could be adversely affected.

Tax Valuation Allowances: Given the uncertainty created by our loss history, as well as the current uncertain economic outlook for our industry and capital spending, Data I/O expects to continue to limit the recognition of net deferred tax assets and accounting for uncertain tax positions and to maintain the tax valuation allowances. We expect, therefore, that reversals of the tax valuation allowance will take place only as we are able to take advantage of the underlying tax loss or other attributes in carry forward. The transfer pricing and expense or cost sharing arrangements are complex areas where judgments, such as the determination of arms-length arrangements, can be subject to challenges by different tax jurisdictions.

Share-based Compensation: We account for share-based awards made to our employees and directors, including employee stock option awards and restricted and performance share awards, using the estimated grant date fair value method of accounting. We estimate the fair value using the Black-Scholes valuation model, which requires the input of highly subjective assumptions, including the option's expected life and the price volatility of the underlying stock. The expected stock price volatility assumption was determined using the historical volatility of our common stock. Changes in the subjective assumptions required in the valuation model may significantly affect the estimated value of the awards, the related stock-based compensation expense and, consequently, our results of operations. Employee Stock Purchase Plan ("ESPP") shares were issued under provisions that do not require us to record any equity compensation expense.

Results of Operations

NET SALES

Net sales by product line (in thousands)	2011	Change	2010
Automated programming systems	\$17,274	2.8%	\$16,798
Non-automated programming systems	9,392	(2.1%)	9,598
Total programming systems	\$26,666	1.0%	\$26,396
Net sales by location (in thousands)	2011	Change	2010
United States	\$2,724	(13.4%)	\$3,145
% of total	10.2%		11.9%
International	\$23,942	3.0%	\$23,251
% of total	89.8%		88.1%

Revenues increased 1% to \$26.7 million for the year ended December 31, 2011, from \$26.4 million for 2010. The year started with stronger revenue growth, especially in Asia, but declined beginning in September of 2011 through the end the year resulting in 2011 revenue being flat overall. The fourth quarter of 2011 decline in revenue compared to the fourth quarter of 2010 was in all regions. Europe was believed to be impacted by the current European economic uncertainty and did not have a typical year end spending bulge. The Americas had less wireless business and wireless software development projects, as well as a continued decline of business in Mexico. Asia revenues grew 19% for 2011 overall, but the fourth quarter 5% decline was attributed to excess inventories and capacity in the supply chain causing reductions in capital spending. We believe the weak demand trend is continuing in the first quarter of 2012.

On a product basis, we had higher revenues for the year 2011 in our FLX, FlashPAK and PS families, of 27%, 16%, and 3% respectively, offset by declines in our automated Roadrunner and other non-automated product families compared to 2010. Smartphones, tablets and mobile devices, especially those incorporating e-MMC flash memories, and automotive electronics using flash memories and microcontrollers were key business drivers in 2011.

International sales as a percent of total sales increased by 2 percentage points for the year ended December 31, 2011 to 89.8% compared to the same period in 2010. By geographic region, sales in Asia increased 19%, while sales in Europe and the Americas declined 1% and 18% respectively, compared to 2010. The backlog at December 31, 2011 was \$800,000 compared to \$1.6 million at December 31, 2010. Deferred revenue at December 31, 2011 was \$1.5 million compared to \$1.6 million at December 31, 2010.

GROSS MARGIN

(in thousands)	2011	Change	2010
Gross margin	\$15,235	(0.7%)	\$15,344
Percentage of net sales	57.1%		58.1%

Gross margin as a percentage of sales was 57.1% for the year ended December 31, 2011, compared with 58.1% in 2010. The change in gross margin percentage was primarily due to higher service expense of \$285,000, product mix-related higher materials cost of \$184,000, and increased factory variances of \$148,000, offset in part by lower engineering costs associated with software development contracts compared to 2010.

RESEARCH AND DEVELOPMENT

(in thousands)	2011	Change	2010
Research and development	\$5,470	31.5%	\$4,159
Percentage of net sales	20.5%		15.8%

Research and development ("R&D") spending for the year ended December 31, 2011, increased by \$1,311,000 compared to the same period in 2010. We increased our spending on R&D primarily to accelerate new product initiatives including development efforts and amortization related to our software technology acquisition called Azido. This increase includes \$519,000 higher personnel costs, \$318,000 less engineering costs absorbed by operations on custom software development

contracts, and \$295,000 of Azido amortization expense. During the fourth quarter of 2011, we scaled back our R&D spending as certain new product initiatives were adjusted or completed and launched.

Our R&D spending also fluctuates based on the number and the development stage of projects. New products introduced in 2011 included RoadRunner3, Factory Integration Software, and enhancements to FlashCORE III. The new FLXHD, an automated system for duplicating e-MMC NAND devices was introduced in February 2012.

We believe it is essential to invest in R&D to significantly enhance our existing products and to create new products as markets develop and technologies change. In addition to product development, a significant part of R&D spending is on creating software and support for new devices introduced by the semiconductor companies. We are focusing our R&D efforts on solutions for strategic growth markets, including new programming technology, automated programming systems for the manufacturing environment, extending the capabilities and support for our FlashCORE programmer architecture, automated handling solutions and developing software tools for design engineers.

SELLING, GENERAL AND ADMINISTRATIVE

	2011	Change	2010
(in thousands)			
Selling, general & administrative	\$8,304	8.1%	\$7,685
Percentage of net sales	31.1%		29.1%

Selling, general and administrative (“SG&A”) expenses were up \$619,000 or 8.1% for the year 2011 compared with 2010. The primary items comprising this increase include \$393,000 higher compensation related costs, \$392,000 related to increased use of outside professional consultants, \$309,000 of added Azido marketing costs associated with the software technology acquisition, \$70,000 higher rent, offset in part by \$422,000 lower incentive compensation and \$139,000 lower channel commissions. We completed information system, marketing and strategy projects in the third and fourth quarter of 2011 and have since scaled back our use of outside consultants.

INTEREST

	2011	Change	2010
(in thousands)			
Interest income	\$97	86.5%	\$52
Interest expense	(\$14)	(27.3%)	(\$11)

Interest income increased by \$45,000 for the twelve month period ending December 31, 2011 compared to the same period in 2010 primarily due to higher amounts of cash invested.

INCOME TAXES

	2011	Change	2010
(in thousands)			
Income tax (expense) benefit	(\$233)	(15.0%)	(\$274)

Income tax expense for 2011 and 2010 relates to foreign and state income taxes and the federal alternative minimum tax.

For financial reporting purposes, Data I/O established tax valuation reserves against our deferred tax assets because of the uncertainty relating to the realization of such asset values. We had valuation allowances of \$8.9 million and \$9.0 million at December 31, 2011 and 2010 respectively. Given the uncertainty created by our past loss history and the cyclical nature of the industry in which we operate, we expect to continue to limit the recognition of net deferred tax assets and maintain the tax valuation allowances.

INFLATION AND CHANGES IN FOREIGN CURRENCY EXCHANGE RATES

Sales and expenses incurred by foreign subsidiaries are denominated in the subsidiary’s local currency and translated into U.S. Dollar amounts at average rates of exchange during the year. We recognized foreign currency transaction gains and (losses) of (\$248,000) and (\$268,000) in 2011 and 2010, respectively. The transaction gains or losses resulted primarily from translation adjustments to foreign inter-company accounts and US dollar accounts held by foreign subsidiaries; sales by our German subsidiary to certain customers, which were invoiced in US dollars; and Brazilian intercompany balances.

Financial Condition

LIQUIDITY AND CAPITAL RESOURCES

	<u>2011</u>	<u>Change</u>	<u>2010</u>
(in thousands)			
Working capital	\$22,355	(\$248)	\$22,603

At December 31, 2011, Data I/O's principal sources of liquidity consisted of existing cash and cash equivalents. Our working capital decreased by \$248,000 and our current ratio was 5.8 for 2011 and 5.2 for 2010.

For the year ended December 31, 2011, our cash and cash equivalents decreased by \$822,000, with \$2.8 million of cash provided by operating activities offset primarily by \$1.4 million of capital spending and \$2 million for the purchased intangible software technology, and \$253,000 used for share repurchases.

We expect that we will continue to make capital expenditures to support our business and anticipate that present working capital will be sufficient to meet our operating requirements. Capital expenditures are expected to be funded by existing and internally generated funds or lease financing.

As a result of our significant product development, customer support, international expansion and selling and marketing efforts, we require substantial working capital to fund our operations. Over the last several years, we restructured our operations to lower our costs and operating expenditures in certain geographic regions and to lower the level of revenue required for our net income breakeven point, to preserve our cash position and to focus on profitable operations. Offsetting these actions are our investments in expanded operations in China, equipment and hiring new personnel. Given our cash position of \$18 million as of December 31, 2011, we believe that we have sufficient working capital available under our operating plan to fund our operations, share repurchase program, business investment and capital requirements through at least December 31, 2012. Any substantial inability to achieve our current business plan could have a material adverse impact on our financial position, liquidity, or results of operations and may require us to reduce expenditures and/or seek additional financing.

OFF-BALANCE SHEET ARRANGEMENTS

Except as noted in the accompanying consolidated financial statements in Note 8, "Operating Lease Commitments" and Note 9, "Other Commitments", Data I/O had no off-balance sheet arrangements.

SHARE REPURCHASE PROGRAM

On October 20, 2011 we announced a stock repurchase program to buy back up to \$1 million dollars of stock over four quarters. Through December 31, 2011, Data I/O repurchased 62,916 shares of stock at an average price of \$3.97 for a total repurchase amount of \$249,986 plus \$2,517 in commissions. See accompanying consolidated financial statements Note 15 "Subsequent Events" for termination of this program and establishment of a new expanded program.

NEW ACCOUNTING PRONOUNCEMENTS

In June 2011, the FASB issued ASU No. 2011-05, *Comprehensive Income (Topic 220): Presentation of Comprehensive Income* ("ASU 2011-05"). This ASU amends requirements for the presentation of other comprehensive income (OCI), requiring presentation of comprehensive income in either, a single, continuous statement of comprehensive income or on separate but consecutive statements, the statement of operations and the statement of OCI. We have adopted this amendment effective for the year ended December 31, 2011. The adoption of this guidance did not impact our financial position, results of operations or cash flows and only impacts the presentation of OCI on the financial statements.

In May 2011, the FASB issued ASU No. 2011-04, *Fair Value Measurement (Topic 820): Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in US GAAP and International Reporting Standards* ("ASU No. 2011-04") which amended the guidance regarding fair value measurement and disclosure. The amended guidance clarifies the application of existing fair value measurement and disclosure requirements. The amendment is effective for us at the beginning of January 2012, with early adoption prohibited. The adoption of this amendment is not expected to materially affect our financial statements.

Item 7A. Quantitative and Qualitative Disclosures About Market Risk

Not applicable.

Item 8. Financial Statements and Supplementary Data

See pages 25 through 43.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Report of Independent Registered Public Accounting Firm

Board of Directors and Stockholders
Data I/O Corporation

We have audited the accompanying consolidated balance sheets of Data I/O Corporation and subsidiaries (the Company) as of December 31, 2011 and 2010, and the related consolidated statements of operations, comprehensive income (loss), stockholders' equity, and cash flows for each of the two years in the period ended December 31, 2011. Our audits of the basic consolidated financial statements included the consolidated financial statement schedule (Schedule II). These consolidated financial statements and consolidated financial statement schedule are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements and consolidated financial statement schedule based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audit included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Data I/O Corporation and subsidiaries as of December 31, 2011 and 2010, and the consolidated results of its operations and its consolidated cash flows for each of the two years in the period ended December 31, 2011, in conformity with accounting principles generally accepted in the United States of America. Also, in our opinion, the related financial statement schedule, when considered in relation to the basic consolidated financial statements taken as a whole, present fairly, in all material respects, the information set forth therein.

/S/GRANT THORNTON LLP

Seattle, Washington
March 27, 2012

DATA I/O CORPORATION
CONSOLIDATED BALANCE SHEETS
(in thousands, except share data)

	<u>December 31, 2011</u>	<u>December 31, 2010</u>
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$18,120	\$18,942
Trade accounts receivable, net of allowance for doubtful accounts of \$115 and \$138	4,351	4,975
Inventories	3,964	3,570
Other current assets	543	528
TOTAL CURRENT ASSETS	<u>26,978</u>	<u>28,015</u>
Property, plant and equipment – net	1,489	1,256
Intangible software technology – net	2,793	-
Other assets	85	153
TOTAL ASSETS	<u><u>\$31,345</u></u>	<u><u>\$29,424</u></u>
LIABILITIES AND STOCKHOLDERS' EQUITY		
CURRENT LIABILITIES:		
Accounts payable	\$1,122	\$1,234
Accrued compensation	1,255	1,578
Deferred revenue	1,464	1,572
Other accrued liabilities	710	770
Accrued costs of business restructuring	-	58
Income taxes payable	72	108
Current portion long-term debt	-	92
TOTAL CURRENT LIABILITIES	<u>4,623</u>	<u>5,412</u>
Long-term other payables	253	47
COMMITMENTS		
STOCKHOLDERS' EQUITY		
Preferred stock -		
Authorized, 5,000,000 shares, including 200,000 shares of Series A Junior Participating		
Issued and outstanding, none	-	-
Common stock, at stated value -		
Authorized, 30,000,000 shares		
Issued and outstanding, 9,207,730 and 9,027,867 shares	23,414	22,172
Accumulated earnings	1,963	900
Accumulated other comprehensive income	1,092	893
TOTAL STOCKHOLDERS' EQUITY	<u>26,469</u>	<u>23,965</u>
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	<u><u>\$31,345</u></u>	<u><u>\$29,424</u></u>

See notes to consolidated financial statements

DATA I/O CORPORATION
CONSOLIDATED STATEMENTS OF OPERATIONS
(in thousands, except per share amounts)

	For the Years Ended December 31,	
	2011	2010
Net Sales	\$26,666	\$26,396
Cost of goods sold	11,431	11,052
Gross margin	15,235	15,344
Operating expenses:		
Research and development	5,470	4,159
Selling, general and administrative	8,304	7,685
Total operating expenses	13,774	11,844
Gain on sale of assets	-	13
Operating income	1,461	3,513
Non-operating income (expense):		
Interest income	97	52
Interest expense	(14)	(11)
Foreign currency transaction gain (loss)	(248)	(268)
Total non-operating income (loss)	(165)	(227)
Income before income taxes	1,296	3,286
Income tax (expense) benefit	(233)	(274)
Net income	\$1,063	\$3,012
Basic earnings per share	\$0.12	\$0.33
Diluted earnings per share	\$0.11	\$0.33
Weighted-average basic shares	9,181	8,997
Weighted-average diluted shares	9,320	9,122

See notes to consolidated financial statements

DATA I/O CORPORATION
CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)
(in thousands)

	For the Years Ended	
	2011	2010
Net Income	\$1,063	\$3,012
Other comprehensive income (loss):		
Foreign currency translation gain (loss)	199	41
Comprehensive income (loss)	<u>\$1,262</u>	<u>\$3,053</u>

See notes to consolidated financial statements

DATA I/O CORPORATION
CONSOLIDATED STATEMENT OF STOCKHOLDERS' EQUITY
(in thousands, except per share amounts)

	Common Stock		Retained	Accumulated	Total
	Shares	Amount	Earnings	and Other	Stockholders'
			(Deficit)	Comprehensive	Equity
				Income (Loss)	
Balance at December 31, 2009	8,955,885	\$21,758	(\$2,112)	\$852	\$20,498
Stock options exercised	60,551	74			74
Stock awards issued, net of tax withholding	6,689				
Issuance of stock through Employee Stock Purchase Plan	4,742	21			21
Share-based compensation		319			319
Net income			3,012		3,012
Other comprehensive income (loss)				41	41
Balance at December 31, 2010	<u>9,027,867</u>	<u>\$22,172</u>	<u>\$900</u>	<u>\$893</u>	<u>\$23,965</u>
Stock options exercised	67,655	18			18
Repurchased shares	(62,916)	(253)			(253)
Stock awards issued, net of tax withholding	7,172	(23)			(23)
Issuance of stock through:					
Employee Stock Purchase Plan	4,018	23			23
Purchase of Software Technology	163,934	1,000			1,000
Share-based compensation		477			477
Net income			1,063		1,063
Other comprehensive income (loss)				199	199
Balance at December 31, 2011	<u>9,207,730</u>	<u>\$23,414</u>	<u>\$1,963</u>	<u>\$1,092</u>	<u>\$26,469</u>

See notes to consolidated financial

DATA I/O CORPORATION
CONSOLIDATED STATEMENTS OF CASH FLOWS
(in thousands)

	For the Years Ended December 31,	
	2011	2010
CASH FLOWS FROM OPERATING ACTIVITIES:		
Net income	\$1,063	\$3,012
Adjustments to reconcile income to net cash provided by (used in) operating activities:		
Depreciation and amortization	1,170	1,117
Gain on sale of assets	-	(13)
Equipment transferred to cost of goods sold	298	516
Share-based compensation	477	319
Net change in:		
Trade accounts receivable	636	(1,810)
Inventories	(380)	333
Other current assets	(9)	(101)
Accrued cost of business restructuring	-	(100)
Accounts payable and accrued liabilities	(543)	929
Deferred revenue	(126)	182
Other long-term liabilities	169	-
Deposits and other long-term assets	72	(54)
Net cash provided by operating activities	<u>2,827</u>	<u>4,330</u>
CASH FLOWS FROM INVESTING ACTIVITIES:		
Additions to property, plant and equipment	(1,406)	(1,070)
Net proceeds from sale of assets	-	13
Purchase of software technology	(2,089)	-
Cash provided by (used in) investing activities	<u>(3,495)</u>	<u>(1,057)</u>
CASH FLOWS FROM FINANCING ACTIVITIES:		
Proceeds from issuance of common stock	18	95
Repurchase of common stock	(253)	-
Payment of capital lease obligation	(92)	(130)
Cash provided by (used in) financing activities	<u>(327)</u>	<u>(35)</u>
Increase (decrease) in cash and cash equivalents	(995)	3,238
Effects of exchange rate changes on cash	173	62
Cash and cash equivalents at beginning of period	<u>18,942</u>	<u>15,642</u>
Cash and cash equivalents at end of period	<u><u>\$18,120</u></u>	<u><u>\$18,942</u></u>
SUPPLEMENTAL DISCLOSURES OF CASH FLOW INFORMATION:		
Issuance of common stock for consideration in asset purchase:		
163,934 shares	\$1,000	\$ -
Cash paid during the year for:		
Interest	\$4	\$13
Income Taxes	\$303	\$305

See notes to consolidated financial statements

DATA I/O CORPORATION

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Operations

Data I/O Corporation (“Data I/O”) designs, manufactures and sells programming systems used by designers and manufacturers of electronic products. Our programming system products are used to program integrated circuits (“ICs” or “devices” or “semiconductors”) with the specific unique data necessary for the ICs contained in various products, and are an important tool for the electronics industry experiencing growing use of programmable ICs. Customers for our programming system products are located around the world, primarily in the Far East, Europe and the United States. Our manufacturing operations are currently located in the United States, with most of our FlashCORE adapters manufactured in China. An outside supplier located in Germany currently manufactures our Sprint non-automated programming systems.

Principles of Consolidation

The consolidated financial statements include the accounts of Data I/O Corporation and our wholly-owned subsidiaries. Intercompany accounts and transactions have been eliminated in consolidation.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America (“U.S. GAAP”) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Significant estimates include:

- Revenue Recognition
- Allowance for Doubtful Accounts
- Inventory
- Warranty Accruals
- Tax Valuation Allowances
- Share-based Compensation

Foreign Currency Translation

Assets and liabilities of foreign subsidiaries are translated at the exchange rate on the balance sheet date. Revenues, costs and expenses of foreign subsidiaries are translated at average rates of exchange prevailing during the year. Translation adjustments resulting from this process are charged or credited to stockholders’ equity, net of taxes recognized. Realized and unrealized gains and losses resulting from the effects of changes in exchange rates on assets and liabilities denominated in foreign currencies are included in non-operating expense as foreign currency transaction gains and losses.

Cash and Cash Equivalents

All highly liquid investments purchased with an original maturity of 90 days or less are considered cash equivalents. Data I/O maintains its cash and cash equivalents with major financial institutions in the United States of America, which are insured by the Federal Deposit Insurance Corporation (FDIC), and foreign jurisdictions. Deposits in U.S. banks exceed the FDIC insurance limit. We have not experienced any losses on its cash and cash equivalents. Cash and cash equivalents held in foreign bank accounts totaled \$8,276,113 at December 31, 2011.

Fair Value of Financial Instruments

Certain financial instruments are carried at cost on the consolidated balance sheets, which approximates fair value due to their short-term, highly liquid nature. These instruments include cash and cash equivalents, accounts receivable, accounts payable and accrued expenses, other short-term liabilities and capital lease obligations.

Accounts Receivable

The majority of Data I/O's accounts receivable are due from companies in the electronics manufacturing industries. Credit is extended based on an evaluation of a customer's financial condition and, generally, collateral is not required. Accounts receivable are typically due within 30 to 60 days and are stated at amounts due from customers net of an allowance for doubtful accounts. Accounts receivable outstanding longer than the contractual payment terms are considered past due. Data I/O determines the allowance by considering a number of factors, including the length of time trade accounts receivable are past due, the industry and geographic payment practices involved, Data I/O's previous bad debt experience, the customer's current ability to pay their obligation to Data I/O, and the condition of the general economy and the industry as a whole. Data I/O writes off accounts receivable when they become uncollectible, and payments subsequently received on such receivables are credited to the allowance for doubtful accounts. Interest may be accrued, at the discretion of management and according to our standard sales terms, beginning on the day after the due date of the receivable. However, interest income is subsequently recognized on these accounts either to the extent cash is received, or when the future collection of interest and the receivable balance is considered probable by management.

Inventories

Inventories are stated at the lower of cost or market with cost being the currently adjusted standard cost, which approximates cost on a first-in, first-out basis. We estimate changes to inventory for obsolete, slow-moving, excess and non-salable inventory by reviewing current transactions and forecasted product demand. We evaluate our inventories on an item by item basis and record an adjustment (lower of cost or market) accordingly.

Property, Plant and Equipment

Property, plant and equipment, including leasehold improvements, are stated at cost and depreciation is calculated over the estimated useful lives of the related assets or lease terms on the straight-line basis. We depreciate substantially all manufacturing and office equipment over periods of three to seven years. We depreciate leasehold improvements over the remaining portion of the lease or over the expected life of the asset if less than the remaining term of the lease.

Data I/O regularly reviews all of its long-lived assets, including property, plant and equipment and amortizable intangible assets, for impairment whenever events or changes in circumstances indicate that the carrying value may not be recoverable. If the total of future undiscounted cash flows is less than the carrying amount of these assets, an impairment loss, if any, based on the excess of the carrying amount over the fair value of the assets, is recorded. Based on this evaluation, no impairment was noted for the years ended December 31, 2011 and 2010.

Intangible Assets

Intangible assets include capitalized costs, technical and product rights, patent, trademarks and other intellectual property. Intangible assets are stated at cost and amortized to operations over their estimated useful lives or statutory lives, whichever is shorter. Capitalized intangible assets are included in other long term assets on the balance sheet. We evaluate our intangible assets for impairment whenever events or changes in circumstances indicate that the carrying amount may not be recoverable using a fair value approach. No such impairment was recognized for the years ended December 31, 2011 and 2010.

Patent Costs

We expense external costs, such as filing fees and associated attorney fees, incurred to obtain patents. We also expense costs associated with maintaining and defending patents subsequent to their issuance.

Income Taxes

Income taxes are computed at current enacted tax rates, less tax credits using the asset and liability method. Deferred taxes are adjusted both for items that do not have tax consequences and for the cumulative effect of any changes in tax rates from those previously used to determine deferred tax assets or liabilities. Tax provisions include amounts that are currently payable, changes in deferred tax assets and liabilities that arise because of temporary differences between the timing of when items of income and expense are recognized for financial reporting and income tax purposes, and any changes in the valuation allowance caused by a change in judgment about the realizability of the related deferred tax assets. A valuation allowance is established when necessary to reduce deferred tax assets to amounts expected to be realized.

Share-Based Compensation

All stock-based compensation awards are measured based on estimated fair values on the date of grant and recognized as compensation expense on the straight-line single-option method. Our share-based compensation is reduced for estimated forfeitures at the time of grant and revised as necessary in subsequent periods if actual forfeitures differ from those estimates.

Revenue Recognition

Data I/O recognizes revenue at the time the product is shipped. We have determined that our programming equipment has reached a point of maturity and stability such that product acceptance can be assured by testing at the factory prior to shipment and that the installation meets the criteria to be considered a separate element. These systems are standard products with published product specifications and are configurable with standard options. The evidence that these systems could be deemed as accepted was based upon having standardized factory production of the units, results from batteries of tests of product performance to our published specifications, quality inspections and installation standardization, as well as past product operation validation with the customer and the history provided by our installed base of products upon which the current versions were based. When arrangements include multiple elements, we recognize revenue when the criteria for revenue recognition have been met for each element individually. Effective January 1, 2011, under the provision of ASU 2009-13 Revenue Recognition (Topic 605), the allocation of revenue among multiple elements is done on a pro-rata versus residual basis for the recognized revenue. This change did not materially affect our financial statements. The amount of revenue recognized is affected by our judgments as to the collectability of the transaction or whether an arrangement includes multiple elements and if so, whether specific objective evidence of fair value exists for those elements. The measure of standalone fair value of the product versus the service installation value component is by the amount we pay to independent representative service groups or the amount of additional discount given to independent distributors to provide the service installation (published price).

Installation that is considered perfunctory includes any installation that can be performed by other parties, such as distributors, other vendors, or in most cases the customers themselves. This takes into account the complexity, skill and training needed as well as customer expectations regarding installation. The revenue related to products requiring installation that is perfunctory is recognized at the time of shipment provided that persuasive evidence of an arrangement exists, shipment has occurred, the price is fixed or determinable, and collectability is reasonably assured.

We record revenue from the sale of service and update contracts as deferred revenue and we recognize it on a straight-line basis over the contractual period, which is typically one year. We establish a reserve for sales returns based on historical trends in product returns and estimates for new items. We have a stated return policy that customers can return standard products for any reason within 30 days after delivery provided that the returned product is received in its original condition, including all packaging materials, for a refund of the price paid less a restocking charge of 30% of the total amount invoiced for the product returned, unless such restocking charge is waived by us. We recognize revenue when, the price is fixed or determinable, the buyer has paid or is obligated to pay and the obligation is not contingent on resale of the product, the buyer's obligation would not be changed in the event of theft, physical destruction or damage to the product, the buyer acquiring the product for resale has economic substance apart from Data I/O and we do not have significant obligations for future performance to directly bring about the resale of the product by the buyer.

Sales were recorded net of actual sales returns and changes to the associated sales return reserve. Sales return reserves were \$81,000 and \$66,000 at December 31, 2011 and 2010, respectively.

When we sell software separately, we recognize software revenue upon shipment provided that no significant obligations remain on our part, substantive acceptance conditions, if any, have been met and when the fee is fixed and determinable and when collection is deemed probable.

Certain fixed-price engineering services contracts that require significant production, modification, or customization of software, are accounted for using the percentage-of-completion method. We use the percentage-of-completion method of accounting because it is the most accurate method to recognize revenue based on the nature and scope of certain of our fixed-price engineering services contracts. It is a better measure of periodic income results than other methods and it better matches revenue recognized with the cost incurred. Percentage-of-completion is measured based primarily on input measures such as hours incurred to date compared to estimated total hours at completion, with consideration given to output measures, such as contract milestones, when applicable. Significant judgment is required when estimating total hours and progress to completion on these arrangements which determines the amount of revenue we recognize as well as whether a loss is recognized if expected to be incurred upon project completion. Revisions to hour and cost estimates are incorporated in the period the amounts are recognized if the results of the period have not been reported; otherwise, the revision of estimates are recognized in the period in which the facts that give rise to the revision become known.

Data I/O transfers certain products out of service from their internal use and makes them available for sale. The products transferred are our standard products in one of the following areas: service loaners, rental or test units; engineering test units; or sales demonstration equipment. Once transferred, the equipment is sold by our regular sales channels as used equipment inventory. These product units often involve refurbishing and an equipment warranty, and are conducted as sales in our normal and ordinary course of business. The transfer amount is the product unit's net book value and the sale transaction is accounted for as revenue and cost of goods sold.

Research and Development

Research and development costs are expensed as incurred.

Advertising Expense

Data I/O expenses advertising costs as incurred. Total advertising expenses were approximately \$220,000 and \$151,000 in 2011 and 2010, respectively.

Warranty Expense

Data I/O records a liability for an estimate of costs that it expects to incur under our basic limited warranty when product revenue is recognized. Factors affecting our warranty liability include the number of units sold and historical and anticipated rates of claims and costs per claim. Data I/O normally provides a warranty for our products against defects for periods ranging from ninety days to one year. We provide for the estimated cost that may be incurred under our product warranties and periodically assess the adequacy of our warranty liability based on changes in the above factors. Data I/O records revenues on extended warranties on a straight-line basis over the term of the related warranty contracts. Service costs are expensed as incurred.

Earnings (Loss) Per Share

Basic earnings (loss) per share exclude any dilutive effects of stock options. Basic earnings (loss) per share are computed using the weighted-average number of common shares outstanding during the period. Diluted earnings per share are computed using the weighted-average number of common shares and common stock equivalent shares outstanding during the period. The common stock equivalent shares from equity awards used in calculating diluted earnings per share were 123,114 and 125,089 for the years ended December 31, 2011 and 2010 respectively. Options to purchase 518,895 and 48,148 shares of common stock were outstanding as of December 31, 2011 and 2010, respectively, but were excluded from the computation of diluted EPS for the period then ended because the options were anti-dilutive.

Diversification of Credit Risk

Financial instruments, which potentially subject Data I/O to concentrations of credit risk, consist primarily of trade receivables. Our trade receivables are geographically dispersed and include customers in many different industries. As of December 31, 2011, one customer, Panasonic, accounted for approximately 10% of our consolidated accounts receivable balance. As of December 31, 2010, there were no customers that represented 10% of our total consolidated accounts receivable balance. We believe that risk of loss is significantly reduced due to the diversity of our end-customers and geographic sales areas. We perform on-going credit evaluations of our customers' financial condition and require collateral, such as letters of credit and bank guarantees, or prepayment whenever deemed necessary.

New Accounting Pronouncements

In June 2011, the FASB issued ASU No. 2011-05, *Comprehensive Income (Topic 220): Presentation of Comprehensive Income* ("ASU 2011-05"). This ASU amends requirements for the presentation of other comprehensive income (OCI), requiring presentation of comprehensive income in either, a single, continuous statement of comprehensive income or on separate but consecutive statements, the statement of operations and the statement of OCI. Data I/O has adopted this amendment effective for the year ended December 31, 2011. The adoption of this guidance did not impact our financial position, results of operations or cash flows and only impacts the presentation of OCI on the financial statements.

In May 2011, the FASB issued ASU No. 2011-04, *Fair Value Measurement (Topic 820): Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in US GAAP and International Reporting Standards* ("ASU No. 2011-04") which amended the guidance regarding fair value measurement and disclosure. The amended guidance clarifies the application of existing fair value measurement and disclosure requirements. The amendment is effective for us at

the beginning of January 2012, with early adoption prohibited. The adoption of this amendment is not expected to materially affect our financial statements.

NOTE 2-PROVISION FOR BUSINESS RESTRUCTURING

As a result of the business down turn we were experiencing in the fourth quarter of 2008 and the uncertain business outlook at that time, restructuring actions were taken to reduce expenses. This resulted in restructuring charges, primarily related to severance, of \$542,000 for the year 2008. We took additional actions in 2009 totaling \$203,000 to flatten and streamline the organization as well as reduce costs by decreasing the size of our Board and abandoning a portion of our building space. At December 31, 2010, restructure costs of \$58,000 remained accrued, which in February 2011 were incorporated in a lease amendment and no restructure amounts remain accrued at December 31, 2011.

An analysis of the restructuring is as follows:

	Reserve Balance 12/31/09	2010 Expense	2010 Payments/ Write-Offs	Reserve Balance 12/31/10	2011 Expense	2011 Payments/ Write-Offs	Reserve Balance 12/31/11
(in thousands)							
Downsizing US operations:							
Facility & other costs	\$158	\$ -	\$100	\$58	\$ -	\$58	\$ -
Total	\$158	\$ -	\$100	\$58	\$ -	\$58	\$ -

NOTE 3 – ACCOUNTS RECEIVABLE, NET

Receivables consist of the following:

	December 31, 2011	December 31, 2010
(in thousands)		
Trade accounts receivable	\$4,466	\$5,113
Less allowance for doubtful receivables	115	138
Trade accounts receivable, net	\$4,351	\$4,975

Changes in Data I/O's allowance for doubtful accounts are as follows:

	December 31, 2011	December 31, 2010
(in thousands)		
Beginning balance	\$138	\$171
Bad debt expense (reversal)	(27)	41
Accounts written-off	(1)	(74)
Recoveries	5	-
Ending balance	\$115	\$138

NOTE 4 – INVENTORIES, NET

Net inventories consisted of the following components:

	December 31, 2011	December 31, 2010
(in thousands)		
Raw material	\$2,498	\$2,098
Work-in-process	985	772
Finished goods	481	700
Inventories, net	\$3,964	\$3,570

NOTE 5 – PROPERTY, PLANT AND EQUIPMENT, NET

Property, plant and equipment consisted of the following:

	December 31, 2011	December 31, 2010
(in thousands)		
Leasehold improvements	\$479	\$396
Equipment	7,515	8,264
	7,994	8,660
Less accumulated depreciation	6,505	7,404
Property and equipment, net	<u>\$1,489</u>	<u>\$1,256</u>

Total depreciation expense recorded for 2011 and 2010 was \$878,000 and \$1,130,000 respectively.

NOTE 6 – INTANGIBLE SOFTWARE TECHNOLOGY, NET

On April 29, 2011, Data I/O purchased software technology for \$2 million in cash and issuance of 163,934 shares of Data I/O common stock, valued at \$1 million on the date of purchase. Acquisition costs of \$89,000 were capitalized as part of the transaction. The transaction was accounted for as an asset purchase.

For a period of five years Data I/O will pay the seller royalties of 4% of directly associated revenues relating to this acquired software technology. We will expense the royalty payments when they are incurred as we cannot reasonably estimate the future royalty payment amount at the time of acquisition. For the first three years Data I/O will pay an additional royalty of 2.5% of directly associated revenues relating to this acquired software technology to the original developer of the technology. No royalty expense was recognized for the year ended December 31, 2011.

The following is a summary of the Company's intangible software technology:

	December 31, 2011	December 31, 2010
(in thousands)		
Intangible software technology	\$3,089	\$ -
Less accumulated amortization	296	-
Intangible software technology, net	<u>\$2,793</u>	<u>\$ -</u>

NOTE 7 – OTHER ACCRUED LIABILITIES

Other accrued liabilities consisted of the following components:

	December 31, 2011	December 31, 2010
(in thousands)		
Product warranty	\$396	\$376
Sales return reserve	81	66
Other taxes	100	109
Other	133	219
Other accrued liabilities	<u>\$710</u>	<u>\$770</u>

The changes in Data I/O's product warranty liability are as follows:

	December 31, 2011	December 31, 2010
(in thousands)		
Liability, beginning balance	\$376	\$291
Net expenses	788	751
Warranty claims	(788)	(751)
Accrual revisions	20	85
Liability, ending balance	<u>\$396</u>	<u>\$376</u>

NOTE 8 – OPERATING LEASE COMMITMENTS

Data I/O has commitments under non-cancelable operating leases and other agreements, primarily for factory and office space, with initial or remaining terms of one year or more as follows:

For the years ending December 31:

	Operating Leases
(in thousands)	
2012	\$1,147
2013	975
2014	851
2015	801
2016	505
Thereafter	-
Total	<u>\$4,279</u>

Lease and rental expense was \$1,149,000 and \$1,084,000 in 2011 and 2010, respectively. Rent expense is recorded on a straight line basis, over the term of the lease, for leases that contain fixed escalation clauses. Data I/O amended its lease agreement for the Redmond, Washington headquarters facility effective February 1, 2011, extending the term to August 2016, lowering the square footage to 32,646 and lowering the rental rate. The lease base annual rental payments during 2011 and 2010 were approximately \$326,000 and \$587,000, respectively. The lease square footage increases to 33,676 effective February 1, 2014.

In addition to the Redmond facility, approximately 13,000 square feet is leased at three foreign locations, including our German sales, service and engineering operations located in Munich, Germany, under a five-year lease starting in 2010, a sales, service and engineering office located in Shanghai, China under a two-year lease starting in 2011 and a logistics office located in Hong Kong under a one-year lease starting in 2011.

NOTE 9 – OTHER COMMITMENTS

Data I/O has purchase obligations for inventory and production costs as well as other obligations such as capital expenditures, service contracts, marketing, and development agreements. Arrangements are considered purchase obligations if a contract specifies all significant terms, including fixed or minimum quantities to be purchased, a pricing structure and approximate timing of the transaction. Most arrangements are cancelable without a significant penalty, and with short notice, typically less than 90 days. At December 31, 2011, the purchase and other obligations totaled \$1,211,000 of which all but \$10,000 are 2012 commitments.

NOTE 10 – CONTINGENCIES

As of December 31, 2011, Data I/O was not a party to any legal proceedings, the adverse outcome of which in management's opinion, individually or in the aggregate, would have a material adverse effect on our results of operations or financial position.

NOTE 11 – STOCK AND RETIREMENT PLANS

Stock Option Plans

At December 31, 2011, there were 1,316,433 shares of Common Stock reserved for issuance of which 248,044 shares are available for future grant under Data I/O's 2000 Stock Compensation Incentive Plan ("2000 Plan"). Pursuant to this 2000 Plan, options are granted to our officers and key employees with exercise prices equal to the fair market value of the Common Stock at the date of grant and generally vest over four years. Options granted under the plans have a maximum term of six years from the date of grant. Stock awards may also be granted under the 2000 Plan.

Employee Stock Purchase Plan

Under the Employee Stock Purchase Plan, eligible employees may purchase shares of Data I/O's Common Stock at six-month intervals at 95% of the fair market value on the last day of each six-month period. Employees may purchase shares having a value not exceeding 10% of their gross compensation during an offering period. During 2011 and 2010, a total of 4,018 and 4,742 shares, respectively, were purchased under the plan at average prices of \$5.78 and \$4.42 per share, respectively. At December 31, 2011, a total of 79,452 shares were reserved for future issuance. The 5% discount allowed under the ESPP is not considered compensatory under authoritative guidance from the FASB.

Stock Appreciation Rights Plan

Data I/O has a Stock Appreciation Rights Plan ("SAR") under which each director, executive officer or holder of 10% or more of Data I/O's Common Stock has a SAR with respect to each exercisable stock option. The SAR entitles the SAR holder to receive cash from Data I/O for the difference between the market value of the stock and the exercise price of the option in lieu of exercising the related option. SARs are only exercisable following a tender offer or exchange offer for Data I/O's stock, or following approval by shareholders of Data I/O of any merger, consolidation, reorganization or other transaction providing for the conversion or exchange of more than 50% of the common shares outstanding. As no event has occurred, which would make the SARs exercisable, and no such event is deemed probable, no compensation expense has been recorded under this plan.

Director Fee Plan

Data I/O has a Director Fee Plan, not currently in use, which had provided for payment to directors who are not employees of Data I/O Corporation by delivery of shares of Data I/O's Common Stock. No shares were issued from the plan for 2011 or 2010 board service and 151,332 shares remain available in the plan as of December 31, 2011.

Retirement Savings Plan

Data I/O has a savings plan that qualifies as a cash or deferred salary arrangement under Section 401(k) of the Internal Revenue Code. Under the plan, participating U.S. employees may defer their pre-tax salary or post-tax salary if Roth is elected, subject to IRS limitations. In fiscal years 2011 and 2010, Data I/O contributed one dollar for each dollar contributed by a participant, with a maximum contribution of 4% of a participant's earnings. Data I/O's matching contribution expense for the savings plan was approximately \$191,000 and \$185,000 in 2011 and 2010.

Share Repurchase Program

On October 20, 2011, we announced a stock repurchase program to buy back up to \$1 million dollars of stock over four quarters. Through December 31, 2011, Data I/O repurchased 62,916 shares of stock at an average price of \$3.97 for a total repurchase amount of \$249,986 plus \$2,517 in commissions. See Note 15 “Subsequent Events” for termination of this program and establishment of a new expanded program. The following table presents repurchases of Data I/O’s common stock for the year ended December 31, 2011:

	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Repurchase Program	Approximate Dollar Value of Shares that May Yet Be Purchased under the Program
November 1, 2011-November 30, 2011	32,068	\$3.88	32,068	\$874,328
December 1, 2011-December 31, 2011	30,848	\$4.07	30,848	\$747,463
Total	<u>62,916</u>	<u>\$3.97</u>	<u>62,916</u>	

NOTE 12– SHARE-BASED COMPENSATION

For share-based awards granted, we have recognized compensation expense based on the estimated grant date fair value method. For these awards we have recognized compensation expense using a straight-line amortization method and reduced for estimated forfeitures. The impact on our results of operations of recording share-based compensation for the year ended December 31, 2011 and 2010 was as follows:

	Year Ended Dec. 31,	
	2011	2010
(in thousands)		
Cost of goods sold	\$45	\$33
Research and development	84	29
Selling, general and administrative	348	257
Total share-based compensation	<u>\$477</u>	<u>\$319</u>

Impact on net income per share:

Basic and diluted	(\$0.05)	(\$0.04)
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Approximately \$10,000 and \$7,000 of share-based compensation was capitalized into inventory for the years ended December 31, 2011 and 2010, respectively.

The fair values of share-based awards for employee stock option awards were estimated at the date of grant using the Black-Scholes valuation model. The volatility and expected life of the options used in calculating the fair value of share-based awards may exclude certain periods of historical data that we considered atypical and not likely to occur in future periods. The following weighted average assumptions were used to calculate the fair value of options granted during the years ended December 31:

	Employee Stock Options	
	2011	2010
Risk-free interest rates	1.39%	1.66%
Volatility factors	0.55	0.56
Expected life of the option in years	4.00	4.00
Expected dividend yield	None	None

The risk-free interest rate used in the Black-Scholes valuation method is based on the implied yield currently available in U.S. Treasury securities at maturity with an equivalent term. We have not recently declared or paid any dividends and do not currently expect to do so in the future. The expected term of options represents the period that our stock-based awards are

expected to be outstanding and was determined based on historical weighted average holding periods and projected holding periods for the remaining unexercised shares. Consideration was given to the contractual terms of our stock-based awards, vesting schedules and expectations of future employee behavior. Expected volatility is based on the annualized daily historical volatility of Data I/O's stock over a representative period.

The weighted average grant date fair value of options granted under our stock option plans for the twelve month period ending December 31, 2011 and 2010 was \$2.61 and \$1.88, respectively. The following table summarizes stock option activity under our stock option plans for the twelve months ended December 31:

	2011			2010		
	Options	Weighted-Average Exercise Price	Weighted-Average Remaining Contractual Life in Years	Options	Weighted-Average Exercise Price	Weighted-Average Remaining Contractual Life in Years
Outstanding at beginning of year	833,841	\$3.94		737,308	\$3.63	
Granted	324,500	6.02		225,000	4.34	
Exercised	(111,893)	2.55		(120,717)	2.85	
Cancelled, Expired or Forfeited	(8,437)	4.62		(7,750)	3.21	
Outstanding at end of year	<u>1,038,011</u>	<u>\$4.74</u>	<u>3.64</u>	<u>833,841</u>	<u>\$3.94</u>	<u>3.44</u>
Vested or expected to vest at the end of the period	948,096	\$4.68	2.65	764,398	\$3.94	2.43
Exercisable at end of year	551,000	\$4.36	2.65	471,319	\$3.80	2.43

The aggregate intrinsic value of outstanding options is \$110,254. This represents the total pretax intrinsic value, based on the Data I/O's closing stock price of \$3.74 at December 31, 2011, which would have been received by award holders had all award holders exercised their stock options that were in-the-money as of that date. The aggregate intrinsic value of awards exercised during the twelve month period ended December 31, 2011 was \$377,416.

Restricted stock award including performance-based stock award activity under our share-based compensation plan was as follows:

	2011		2010	
	Awards	Weighted - Average Grant Date Fair Value	Awards	Weighted - Average Grant Date Fair Value
Outstanding at beginning of year	25,235	\$4.27	24,711	\$4.23
Granted	15,200	6.02	12,500	4.30
Vested	(9,485)	4.35	(9,066)	4.25
Cancelled	(572)	5.16	(2,910)	4.14
Outstanding at end of year	<u>30,378</u>	<u>\$5.10</u>	<u>25,235</u>	<u>\$4.27</u>

As of December 31, 2011 and 2010, there were \$1,181,876 and \$737,104, respectively, of total unrecognized compensation cost related to non-vested share-based compensation arrangements granted under our stock option plans. That cost is expected to be recognized over a weighted average period 2.65 and 2.58 years as of December 31, 2011 and 2010, respectively.

NOTE 13– INCOME TAXES

Components of income (loss) before taxes:

(in thousands)	Year Ended Dec. 31,	
	2011	2010
U.S. operations	(\$207)	\$1,948
Foreign operations	1,503	1,338
	<u>\$1,296</u>	<u>\$3,286</u>

Income tax expense (benefit) consists of:

Current tax expense (benefit):		
U.S. federal	\$20	\$3
State	22	9
Foreign	191	262
	<u>233</u>	<u>274</u>
Deferred tax expense (benefit) – U.S. federal	-	-
Total income tax expense (benefit)	<u>\$233</u>	<u>\$274</u>

A reconciliation of Data I/O's effective income tax and the U.S. federal tax rate is as follows:

(in thousands)	Year Ended Dec. 31,	
	2011	2010
Statutory tax	\$441	\$1,117
State and foreign income tax, net of federal income tax benefit	(323)	(446)
Valuation allowance for deferred tax assets	115	(397)
Total income tax expense (benefit)	<u>\$233</u>	<u>\$274</u>

The tax effects of temporary differences that gave rise to significant portions of the deferred tax assets are presented below:

(in thousands)	Year Ended Dec. 31,	
	2011	2010
Deferred income tax assets:		
Allowance for doubtful accounts	\$28	\$33
Inventory and product return reserves	699	671
Compensation accruals	963	756
Accrued liabilities	29	(35)
Book-over-tax depreciation and amortization	274	281
Foreign net operating loss carryforwards	704	771
U.S. net operating loss and credit carryforwards	<u>6,209</u>	<u>6,486</u>
	8,906	8,963
Valuation Allowance	<u>(8,906)</u>	<u>(8,963)</u>
Total Deferred Income Tax Assets	<u>\$ -</u>	<u>\$ -</u>

The valuation allowance for deferred tax assets decreased \$57,000 during the year ended December 31, 2011, and decreased \$314,000 during the year ended December 31, 2010. The net deferred tax assets have a full valuation allowance provided due to uncertainty regarding Data I/O's ability to utilize such assets in future years. Although we have had recent profitable operations, this full valuation allowance evaluation is based upon our volatile history of losses and the cyclical nature of our industry and capital spending. Credit carryforwards consist primarily of research and experimental and alternative minimum tax credits. U.S. net operating loss carryforwards expire beginning in 2020 to 2031. Utilization of net operating loss and credit carryforwards is subject to certain limitations under Section 382 of the Internal Revenue Code of 1986, as amended.

The gross changes in uncertain tax positions resulting in unrecognized tax benefits are presented below:

	Year Ended Dec. 31,	
	2011	2010
(in thousands)		
Unrecognized tax benefits, opening balance	\$98	\$79
Prior period tax position increases	5	12
Additions based on tax positions related to current year	10	7
Unrecognized tax benefits, ending balance	<u>\$113</u>	<u>\$98</u>

Historically, Data I/O has not incurred any interest or penalties associated with tax matters and no interest or penalties were recognized during 2011. However, we have adopted a policy whereby amounts related to interest and penalties associated with tax matters are classified as general and administrative expense when incurred.

Tax years that remain open for examination include 2008, 2009, 2010 and 2011 in the United States of America. In addition, tax years from 2000 to 2007 may be subject to examination in the event that Data I/O utilizes the net operating losses and credit carryforwards from those years in its current or future year tax returns.

NOTE 14 – SEGMENT AND GEOGRAPHIC INFORMATION

We consider our operations to be a single operating segment, focused on the design, manufacturing and sale of programming systems used by designers and manufacturers of electronic products.

During 2011, there was one customer, Data Copy Limited at 11%, who accounted for greater than 10% of Data I/O's consolidated net revenues for the year. During 2010, there were no customers who accounted for more than 10% of Data I/O's consolidated net revenues for the year. Major operations outside the U.S. include sales, engineering and service support subsidiaries in Germany and China. At December 31, 2011, there was one customer, Panasonic, which represented 10% of our total consolidated accounts receivable balance. At December 31, 2010, there were no customers, which represented 10% or more of our total consolidated accounts receivable balance.

The following tables provide summary operating information by geographic area:

	Year Ended Dec. 31,	
	2011	2010
(in thousands)		
Net sales:		
U.S.	\$2,724	\$3,145
Europe	11,025	10,843
Rest of World	12,917	12,408
	<u>\$26,666</u>	<u>\$26,396</u>

Included in Europe and Rest of World net sales are the following significant balances:

Germany	\$6,717	\$5,196
China	\$3,917	\$3,424
Operating income (loss):		
U.S.	(\$1,567)	(\$770)
Europe	832	801
Rest of World	2,196	3,482
	<u>\$1,461</u>	<u>\$3,513</u>
Identifiable assets:		
U.S.	\$17,740	\$16,630
Europe	4,056	4,714
Rest of World	9,549	8,080
	<u>\$31,345</u>	<u>\$29,424</u>

NOTE 15 – SUBSEQUENT EVENTS

Data I/O is implementing a Chief Executive Officer succession plan after Frederick R. Hume, its President and CEO, advised the Board of Directors on March 1, 2012 that he plans to retire on or before the end of the fiscal year on December 31, 2012, or at such time as a suitable successor President and Chief Executive Officer can be identified and appointed by our Board. Data I/O has retained a search firm to assist in this process. Frederick R. Hume and Data I/O Corporation entered into a Separation Agreement on March 1, 2012. To help Data I/O by remaining in his present positions and to assist in the CEO succession search and transition process, the Separation Agreement terms include: a release of claims; Mr. Hume agreeing to a 2 year non-competition and non-solicitation period; termination of his current Amended and Restated Executive Agreement for Data I/O Corporation (“change-in-control” arrangement) and his rights under the employee severance arrangement; payments totaling \$350,000; and vesting in the 2012 incentive amount, under the Management Incentive Compensation Plan (MICP), determined as of his Retirement Date with pro-rata calculations for time employed in 2012.

On January 9, 2012, our board of directors approved a new and expanded 2012 share repurchase program with provisions to buy back up to \$6 million dollars of stock. The program included establishing a Rule 10b5-1 plan under the Exchange Act to provide flexibility to make purchases at any time. The 10b5-1 trading plan allows us to repurchase our common stock in the open market during periods in which stock trading is otherwise closed for us. On January 13, 2012, the October 2011 stock repurchase program was terminated and the new expanded program went into effect. During 2012, approximately 1.5 million shares have been repurchased for approximately \$6.0 million.

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

(a) Evaluation of disclosure controls and procedures.

Under the supervision and with the participation of our management, including our Chief Executive Officer and Chief Financial Officer, Data I/O evaluated the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) and Rule 15d-15(e) under the Exchange Act) as of the end of the period covered by this report (the “Evaluation Date”). Based upon that evaluation, the Chief Executive Officer and Chief Financial Officer concluded that, as of the Evaluation Date, our disclosure controls and procedures were effective at the reasonable assurance level. Disclosure Controls are controls and procedures designed to reasonably assure that information required to be disclosed in our reports filed or submitted under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC’s rules and forms. Disclosure Controls are also designed to reasonably assure that such information is accumulated and communicated to our management, including the CEO and CFO, as appropriate to allow timely decisions regarding required disclosure.

(b) Management’s Report on Internal Control Over Financial Reporting.

Our management is responsible for establishing and maintaining adequate internal control over financial reporting. Our internal control systems was designed to provide reasonable assurance to the Company’s management and board of directors regarding the preparation and fair presentation of published financial statements. Internal control over financial reporting is defined in Rule 13a-15(f) promulgated under the Exchange Act and includes those policies and procedures that:

- (i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company;
- (ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and
- (iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the company’s assets that could have a material effect on the financial statements.

All internal controls, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to financial statements preparation and presentation.

Our management assessed the effectiveness of the Company’s internal control over financial reporting as of December 31, 2011. In making this assessment, we used the criteria set forth by the Committee of Sponsoring Organizations of the Treadway Commission (“COSO”) in Internal Control – Integrated Framework. Based on this assessment we concluded that, as of December 31, 2011, our internal control over financial reporting was effective.

This annual report does not include an attestation report of the company's registered public accounting firm regarding internal control over financial reporting. Management's report was not subject to attestation by the company's registered public accounting firm pursuant to the Dodd-Frank Wall Street Reform and Consumer Protection Act, which permanently exempts non-accelerated filers from complying with Section 404(b) of the Sarbanes-Oxley Act of 2002.

(c) Changes in internal controls.

There were no changes made in our internal controls during the period covered by this report that has materially affected or is reasonably likely to materially affect our internal control over financial reporting.

Item 9B. Other Information

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

Information regarding the Registrant's directors is set forth under "Election of Directors" in Data I/O's Proxy Statement relating to Data I/O's annual meeting of shareholders to be held on May 10, 2012 and is incorporated herein by reference. Such Proxy Statement will be filed within 120 days of Data I/O's year-end. Information regarding the Registrant's executive officers is set forth in Item 1 of Part I herein under the caption "Executive Officers of the Registrant."

Code of Ethics

We have adopted an updated Code of Ethics that applies to all directors, officers and employees of Data I/O, including the Chief Executive Officer and Chief Financial Officer. The key principles of the Code of Ethics are to act legally and with integrity in all work for Data I/O. The Code of Ethics is posted on the corporate governance page of our website at <http://www.dataio.com/Company/InvestorRelations/CorporateGovernance.aspx>. We will post any amendments to our Code of Ethics on our website. In the unlikely event that the Board of Directors approves any sort of waiver to the Code of Ethics for our executive officers or directors, information concerning such waiver will also be posted on our website. In addition to posting information regarding amendments and waivers on our website, the same information will be included in a Current Report on Form 8-K within four business days following the date of the amendment or waiver, unless website posting of such amendments or waivers is permitted by Nasdaq's rules.

Item 11. Executive Compensation

Information called for by Part III, Item 11, is included in Data I/O's Proxy Statement relating to Data I/O's annual meeting of shareholders to be held on May 10, 2012 and is incorporated herein by reference. The information appears in the Proxy Statement under the caption "Executive Compensation." Such Proxy Statement will be filed within 120 days of Data I/O's year-end.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

Information called for by Part III, Item 12, is included in Data I/O's Proxy Statement relating to Data I/O's annual meeting of shareholders to be held on May 10, 2012 and is incorporated herein by reference. The information appears in the Proxy Statement under the caption "Voting Securities and Principal Holders." Such Proxy Statement will be filed within 120 days of Data I/O's year end.

Equity Compensation Plan Information

The following table gives information about our Common Stock that may be issued upon the exercise of options and rights under all of our existing equity compensation plans as of December 31, 2011. See Notes 11 and 12 of “Notes to Consolidated Financial Statements.”

	(a) Number of securities to be issued upon the exercise of outstanding options, warrants and rights	(b) Weighted-average exercise price of outstanding options, warrants and rights	(c) Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
Equity compensation plans approved by security holders ^{(1) (2)}	1,068,389	\$4.74	478,828
Equity compensation plans not approved by security holders	-	-	-
Total	1,068,389	\$4.74	478,828

⁽¹⁾ Represents shares of Data I/O’s Common Stock issuable pursuant to our 2000 Stock Incentive Compensation Plan, 1982 Employee Stock Purchase Plan and 1996 Director Fee Plan.

⁽²⁾ Stock Appreciation Rights Plan (“SAR”) provides that directors, executive officers or holders of 10% or more of Data I/O’s Common Stock have an accompanying SAR with respect to each exercisable option. While the plan has been approved by the security holders, no amounts are included in columns (a), (b), or (c) relating to the SAR.

Item 13. Certain Relationships and Related Transactions, and Director Independence

The information required by this item is contained in, and incorporated by reference from, the Proxy Statement for Data I/O’s 2012 Annual Meeting of Shareholders under the caption “Certain Relationships and Related Transactions.”

Item 14. Principle Accounting Fees and Services

The information required by this Item with respect to principal accountant fees and services is incorporated by reference to the section captioned “Principal Accountant’s Fees and Services” in the Proxy Statement relating to Data I/O’s annual meeting of shareholders to be held on May 10, 2012. Such Proxy Statement will be filed within 120 days of Data I/O’s year-end.

PART IV

Item 15. Exhibits, Financial Statement Schedules

Executive Compensation Plans and Arrangements

The following list is a subset of the list of exhibits described below and contains all compensatory plans, contracts or arrangements in which any director or executive officer of Data I/O is a participant, unless the method of allocation of benefits thereunder is the same for management and non-management participants:

- (1) Amended and Restated 1982 Employee Stock Purchase Plan. See Exhibit 10.6.
- (2) Data I/O Corporation Tax Deferral Retirement Plan and Trust with Orchard Trust Company. See Exhibits 10.17, 10.18 and 10.19.
- (3) Summary of Amended and Restated Management Incentive Compensation Plan. See Exhibit 10.2.
- (4) Amended and Restated 1983 Stock Appreciation Rights Plan. See Exhibit 10.1.
- (5) Amended and Restated Executive Agreements. See Exhibit 10.9 and 10.10.
- (6) 1996 Director Fee Plan. See Exhibit 10.4.
- (7) Letter Agreement with Frederick R. Hume. See Exhibit 10.5.
- (8) Amended and Restated 2000 Stock Compensation Incentive Plan. See Exhibit 10.7 and 10.13.
- (9) Form of Option Agreement. See Exhibit 10.8.
- (10) Form of Indemnification Agreement. See Exhibit 10.20.
- (11) Separation Agreement with Frederick R. Hume. See Exhibit 10.22.

(a)	<u>List of Documents Filed as a Part of This Report:</u>	<u>Page</u>
(1)	<u>Index to Financial Statements:</u>	
	Report of Independent Registered Public Accounting Firm	25
	Consolidated Balance Sheets as of December 31, 2011 and 2010	26
	Consolidated Statements of Operations for each of the two years ended December 31, 2011 and December 31, 2010	27
	Consolidated Statements of Comprehensive Income (Loss) for each of the two years ended December 31, 2011 and December 31, 2010	28
	Consolidated Statements of Stockholders' Equity for each of the two years ended December 31, 2011 and December 31, 2010	29
	Consolidated Statements of Cash Flows for each of the two years ended December 31, 2011 and December 31, 2010	30
	Notes to Consolidated Financial Statements	31

(2) Index to Financial Statement Schedules:

Schedule II – Consolidated Valuation and Qualifying Accounts

All other schedules not listed above have been omitted because the required information is included in the consolidated financial statements or the notes thereto, or is not applicable or required.

(3) Index to Exhibits:

3 Articles of Incorporation:

- 3.1 Data I/O's restated Articles of Incorporation filed November 2, 1987 (Incorporated by reference to Exhibit 3.1 of Data I/O's 1987 Annual Report on Form 10-K (File No. 0-10394)).
- 3.2 Data I/O's Bylaws as amended and restated as of July 20, 2011 (Incorporated by reference to Data I/O's Current Report on Form 8-K filed July 26, 2011).
- 3.3 Certification of Designation, Preferences and Rights of Series A Junior Participating Preferred Stock (Incorporated by reference to Exhibit 1 of Data I/O's Registration Statement on Form 8-A filed March 13, 1998 (File No. 0-10394)).

4 Instruments Defining the Rights of Security Holders, Including Indentures:

- 4.1 Rights Agreement dated as of April 4, 1998, between Data I/O Corporation and ChaseMellon Shareholder Services, L.L.C. as Rights Agent, which includes: as Exhibit A thereto, the Form of Right Certificate; and, as Exhibit B thereto, the Summary of Rights to Purchase Series A Junior Participating Preferred Stock (Incorporated by reference to Data I/O's Current Report on Form 8-K filed on March 13, 1998).
- 4.2 Rights Agreement, dated as of March 31, 1988, between Data I/O Corporation and First Jersey National Bank, as Rights Agent, as amended by Amendment No. 1 thereto, dated as of May 28, 1992 and Amendment No. 2 thereto, dated as of July 16, 1997 (Incorporated by reference to Data I/O's Report on Form 8-K filed on March 13, 1998).
- 4.3 Amendment No. 1, dated as of February 10, 1999, to Rights Agreement, dated as of April 4, 1998, between Data I/O Corporation and ChaseMellon Shareholder Services, L.L.C. as Rights Agent (Incorporated by reference to Exhibit 4.1 of Data I/O's Form 8-A/A dated February 10, 1999).
- 4.4 Amendment No. 2 to Rights Agreement, dated as of April 3, 2008, between Data I/O Corporation and Mellon Investor Services LLC (formerly ChaseMellon Shareholder Services, L.L.C.). (Incorporated by reference to Exhibit 4.3 of Data I/O's Form 8-K dated April 3, 2008).

10 Material Contracts:

- 10.1 Amended and Restated 1983 Stock Appreciation Rights Plan dated February 3, 1993 (Incorporated by reference to Exhibit 10.23 of Data I/O's 1992 Annual Report on Form 10-K (File No. 0-10394)).
- 10.2 Amended and Restated Management Incentive Compensation Plan dated January 1, 1997 (Incorporated by reference to Exhibit 10.25 of Data I/O's 1997 Annual Report on Form 10-K (File No. 0-10394)).

- 10.3 Amended and Restated Performance Bonus Plan dated January 1, 1997 (Incorporated by reference to Exhibit 10.26 of Data I/O's 1997 Annual Report on Form 10-K (File No. 0-10394)).
- 10.4 Amended and Restated Data I/O Corporation 1996 Director Fee Plan (Incorporated by reference to Exhibit 10.32 of Data I/O's 1997 Annual Report on Form 10-K (File No. 0-10394)).
- 10.5 Letter Agreement with Frederick R. Hume dated January 29, 1999. (Incorporated by reference to Exhibit 10.35 of Data I/O's 1999 Annual Report on Form 10-K (File No. 0-10394)).
- 10.6 Amended and Restated 1982 Employee Stock Purchase Plan dated May 16, 2003 (Incorporated by reference to Data I/O's 2003 Proxy Statement dated March 31, 2003).
- 10.7 Amended and Restated 2000 Stock Compensation Incentive Plan dated May 24, 2006 (Incorporated by reference to Data I/O's 2006 Proxy Statement dated April 6, 2006).
- 10.8 Form of Option Agreement (Incorporated by reference to Data I/O's 2004 Annual Report on Form 10-K (File No. 0-10394)).
- 10.9 Amended and Restated Executive Agreement with Frederick R. Hume dated December 31, 2011. (Incorporated by reference to Data I/O's 2011 Annual Report on Form 10K (File No. 0-10394))
- 10.10 Amended and Restated Executive Agreement with Joel S. Hatlen dated December 31, 2011. (Incorporated by reference to Data I/O's 2011 Annual Report on Form 10K (File No. 0-10394))
- 10.11 Lease, Redmond East Business Campus between Data I/O Corporation and Carr Redmond PLCC dated February 28, 2006 (Incorporated by reference to Data I/O's 2005 Annual Report on Form 10K (File No. 0-10394)).
- 10.12 Second Amendment to Lease, (Redmond East) between Data I/O Corporation and Arden Realty Limited Partnership, made as of January 31, 2011. (Incorporated by reference to Data I/O's 2010 Annual Report on Form 10K (File No. 0-10394)).
- 10.13 Amended and Restated 2000 Stock Compensation Incentive Plan approved May 17, 2011 (Incorporated by reference to Data I/O's 2011 Proxy Statement dated March 31, 2011).
- 10.14 Form of Restricted Stock Award Agreement (Incorporated by reference to Exhibit 10.29 of Data I/O's June 30, 2006 Quarterly Report on Form 10-Q (File No. 0-10394)).
- 10.15 Patent Purchase Agreement (Incorporated by reference to Data I/O's Current Report on Form 8-K filed on March 25, 2008)).
- 10.16 First Amendment to the Patent Purchase Agreement (Incorporated by reference to Data I/O's Current Report on Form 8-K filed on March 25, 2008).
- 10.17 Orchard Trust Company Defined Contribution Prototype Plan and Trust (Incorporated by reference to Data I/O's 2007 Annual Report on Form 10K (File No. 0-10394)).

- 10.18 Orchard Trust Company Non-standardized 401(k) Plan (Incorporated by reference to Data I/O's 2007 Annual Report on Form 10K (File No. 0-10394)).
- 10.19 Orchard Trust Company Defined Contribution Prototype Plan and Trust Amendment for Pension Protection Act and Heart Act. (Incorporated by reference to Data I/O's 2009 Annual Report on Form 10K (File No. 0-10394)).
- 10.20 Form of Indemnification Agreement. (Incorporated by reference to Data I/O's 2010 Annual Report on Form 10K (File No. 0-10394)).
- 10.21 Asset Purchase Agreement dated April 29, 2011, with the Miller Trust, for acquisition of Software Technology (Incorporated by reference to Data I/O's Current Report on Form 8-K filed May 3, 2011).*
- 10.22 Separation Agreement with Frederick R. Hume dated March 1, 2012 (Incorporated by reference to Data I/O's Current Report on Form 8-K filed on March 2, 2012).
- 21.1 Subsidiaries of the Registrant
- 23.1 Consent of Independent Registered Public Accounting Firm
- 31 **Certification – Section 302:**
 - 31.1 Chief Executive Officer Certification
 - 31.2 Chief Financial Officer Certification
- 32 **Certification – Section 906:**
 - 32.1 Chief Executive Officer Certification
 - 32.2 Chief Financial Officer Certification
- 101 **Interactive Data Files Pursuant to Rule 405 of Regulation S-T**

*Portions of this exhibit have been omitted based on confidential treatment granted by the SEC. The omitted portions of these exhibits have been filed separately with the SEC. Schedules to the Asset Purchase Agreement have been omitted pursuant to Item 601(b)(2) of Regulation S-K. The registrant undertakes to furnish on a supplemental basis a copy of any omitted schedules to the Securities and Exchange Commission upon request.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

DATA I/O CORPORATION (REGISTRANT)

DATED: March 27, 2012

By: /s/Frederick R. Hume
Frederick R. Hume
President and Chief Executive Officer

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

NAME & DATE	TITLE
By: <u>/s/Frederick R. Hume</u> <u>March 27, 2012</u> Frederick R. Hume	President and Chief Executive Officer (Principal Executive Officer), Director
By: <u>/s/Joel S. Hatlen</u> <u>March 27, 2012</u> Joel S. Hatlen	Chief Financial Officer Vice President of Finance Secretary, Treasurer (Principal Financial and Accounting Officer)
By: <u>/s/Paul A. Gary</u> <u>March 27, 2012</u> Paul A. Gary	Director
By: <u>/s/Steven M. Quist</u> <u>March 27, 2012</u> Steven M. Quist	Director
By: <u>/s/William R. Walker</u> <u>March 27, 2012</u> William R. Walker	Director
By: <u>/s/Douglas W. Brown</u> <u>March 27, 2012</u> Douglas W. Brown	Director
By: <u>/s/Kenneth B. Myer</u> <u>March 27, 2012</u> Kenneth B. Myer	Director

DATA I/O CORPORATION

SCHEDULE II – CONSOLIDATED VALUATION AND QUALIFYING ACCOUNTS

	Balance at Beginning of Period	Charged/ (Credited) to Costs and Expenses	Deductions- Describe	Balance at End of Period
(in thousands)				
Year Ended December 31, 2010:				
Allowance for bad debts	\$171	\$41	(\$74) ⁽¹⁾	\$138
Year Ended December 31, 2011:				
Allowance for bad debts	\$138	(\$27)	\$4 ⁽¹⁾	\$115

⁽¹⁾ Uncollectable accounts written off, net of recoveries

EXHIBIT 21.1
DATA I/O CORPORATION
SUBSIDIARIES OF THE REGISTRANT

The following table indicates the name, jurisdiction of incorporation and basis of ownership of each of Data I/O's subsidiaries:

Name of Subsidiary	State or Jurisdiction of Organization	Percentage of Voting Securities Owned
Data I/O International, Inc.	Washington	100%
Data I/O FSC International, Inc.	Territory of Guam	100%
Data I/O Canada Corporation	Canada	100%
Data I/O China, Ltd.	Hong Kong, China	100%
Data I/O GmbH	Germany	100%
Data I/O Electronics (Shanghai) Co., Ltd.	China	100%
Data I/O Programação de Sistemas Ltda.	Brazil	100%

EXHIBIT 23.1

Consent of Grant Thornton LLP, Independent Registered Public Accounting Firm

We have issued our report dated March 27, 2012, with respect to the consolidated financial statements and schedule included in the Annual Report of Data I/O Corporation on Form 10-K for the year ended December 31, 2011. We hereby consent to the incorporation by reference of said report in the Registration Statements of Data I/O Corporation on Form S-8 (File Nos. 002-76164, 002-86785, 002-98115, 002-78394, 33-95608, 33-66824, 33-42010, 33-26472, 33-54422, 333-20657, 333-55911, 33-02254, 33-03958, 333-107543, 333-81986, 333-48595, 333-121861, 333-151006, 333-166730 and 333-175840) and on Form S-3 (File No. 333-121566).

/s/Grant Thornton LLP

Seattle, Washington
March 27, 2012

EXHIBIT 31.1

Certification by Chief Executive Officer
Pursuant to 18 U.S.C. Section 1350
As Adopted Pursuant to
Section 302(a) of the Sarbanes-Oxley Act of 2002

I, Frederick R. Hume, certify that:

- 1) I have reviewed this annual report on Form 10-K of Data I/O Corporation;
- 2) Based upon my knowledge, this annual report does not contain any untrue statement of material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this annual report;
- 3) Based on my knowledge, the financial statements, and other financial information included in this annual report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this annual report;
- 4) The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f)0 for the registrant and we have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this annual report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this annual report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this annual report based on such evaluation; and
 - d) Disclosed in this annual report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected or is reasonably likely to materially affect, the registrant's internal control over financial reporting.
- 5) The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls over financial reporting.

Date: March 27, 2012

/s/ Frederick R. Hume
Frederick R. Hume
Chief Executive Officer
(Principal Executive Officer)

EXHIBIT 31.2

Certification by Chief Financial Officer
Pursuant to 18 U.S.C. Section 1350
As Adopted Pursuant to
Section 302(a) of the Sarbanes-Oxley Act of 2002

I, Joel S. Hatlen, certify that:

- 1) I have reviewed this annual report on Form 10-K of Data I/O Corporation;
- 2) Based upon my knowledge, this annual report does not contain any untrue statement of material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this annual report;
- 3) Based on my knowledge, the financial statements, and other financial information included in this annual report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this annual report;
- 4) The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f)0 for the registrant and we have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this annual report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purpose in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this annual report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this annual report based on such evaluation; and
 - d) Disclosed in this annual report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected or is reasonably likely to materially affect, the registrant's internal control over financial reporting.
- 5) The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of registrant's board of directors (or persons performing the equivalent functions):
 - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal controls over financial reporting.

Date: March 27, 2012

/s/ Joel S. Hatlen
Joel S. Hatlen
Chief Financial Officer
(Principal Financial Officer)

Exhibit 32.1

Certification by Chief Executive Officer
Pursuant to 18 U.S.C. Section 1350
As Adopted Pursuant to
§ 906 of the Sarbanes-Oxley Act of 2002

In connection with the annual report of Data I/O Corporation (the “Company”) on Form 10-K for the period ended December 31, 2011 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Frederick R. Hume, Chief Executive Officer of the Company, certify, that pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of § 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Frederick R. Hume
Frederick R. Hume
Chief Executive Officer
(Principal Executive Officer)

Date: March 27, 2012

Exhibit 32.2

Certification by Chief Financial Officer
Pursuant to 18 U.S.C. Section 1350
As Adopted Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002

In connection with the annual report of Data I/O Corporation (the “Company”) on Form 10-K for the period ended December 31, 2011 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Joel S. Hatlen, Chief Financial Officer of the Company, certify, that pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Joel S. Hatlen
Joel S. Hatlen
Chief Financial Officer
(Principal Financial Officer)

Date: March 27, 2012

DATA I/O CORPORATION

**NOTICE OF 2012
ANNUAL MEETING
and
PROXY STATEMENT**

DATA I/O CORPORATION

March 31, 2012

To Our Shareholders:

You are cordially invited to attend the 2012 Annual Meeting of Data I/O Corporation, which will be held at Data I/O's headquarters at 6464 185th Ave NE, Suite 101, Redmond, Washington 98052. The meeting will begin at 2:00 p.m. Pacific Daylight Time on Thursday, May 10, 2012.

Officers of Data I/O will be attending and will respond to questions after the meeting. We will review the business operations of Data I/O for 2011 and the first quarter of 2012 and provide a business update. Formal business will include the election of directors, consideration of a proposal to amend Data I/O's 2000 Stock Compensation Plan and ratification of the continued appointment of Grant Thornton LLP as Data I/O's independent auditors.

Please read the proxy materials carefully. Your vote is important. Data I/O appreciates you considering and acting on the proposals presented. I am looking forward to seeing you on May 10th or if you cannot attend, see our website for details regarding a webcast of our meeting.

Sincerely,

Frederick R. Hume
President and Chief Executive Officer

DATA I/O CORPORATION

NOTICE OF ANNUAL MEETING OF SHAREHOLDERS - May 10, 2012

To the Shareholders of Data I/O Corporation:

NOTICE IS HEREBY GIVEN that the Annual Meeting of Shareholders of Data I/O Corporation (the “Company” or “Data I/O”) will be held at 2:00 p.m. Pacific Daylight Time, on Thursday, May 10, 2012, at Data I/O’s principal offices, 6464 185th Ave NE, Suite 101, Redmond, Washington 98052, for the following purposes:

- (1) **Election of Directors:**
To elect five directors, each to serve until the next annual meeting of shareholders or until his or her successor is elected and qualified or until such director’s earlier death, resignation, or removal.
- (2) **2000 Stock Compensation Incentive Plan:**
To consider and vote on a proposal to amend and restate the Data I/O Corporation 2000 Stock Compensation Incentive Plan (the “2000 Plan”) and to increase the number of shares reserved for issuance under the 2000 Plan by an additional 300,000 shares of common stock.
- (3) **Ratification of Independent Auditors:**
To ratify the continued appointment of Grant Thornton LLP as Data I/O’s independent auditors for the calendar year ended December 31, 2012.
- (4) **Other Business:**
To consider and vote upon such other business as may properly come before the meeting or any adjournments or postponements thereof.

Important Notice Regarding the Availability of Proxy Materials for the Shareholder Meeting To Be Held on May 10, 2012. The proxy statement and annual report to security holders are also available at <http://www.dataio.com/company/investorrelations/annualmeeting.aspx>.

The Board of Directors has fixed the close of business on March 12, 2012, as the Record Date for the determination of shareholders entitled to notice of, and to vote at, the 2012 Annual Meeting and any adjournment or postponement thereof.

By Order of the Board of Directors

/s/ Frederick R. Hume
Frederick R. Hume
President and Chief Executive Officer

Redmond, Washington
March 31, 2012

YOUR VOTE IS IMPORTANT

Whether or not you expect to attend the meeting in person, we urge you to sign, date and return the accompanying proxy card at your earliest convenience, or you may vote by the internet at <http://www.proxyvoting.com/daio> or by telephone, as provided in the instructions on the proxy card. This will ensure the presence of a quorum at the meeting. **Promptly returning a signed and dated proxy card, or voting by the internet or by telephone, will save Data I/O the extra expense of additional solicitation.** Your proxy is revocable at your request any time before it is voted. If you attend the meeting, you may vote in person if you wish even if you have previously returned your proxy card. If you vote by mail, an addressed, postage-paid envelope is provided in order to make certain that your shares will be represented at the Annual Meeting.

DATA I/O CORPORATION
6464 185th Ave NE, Suite 101
Redmond, Washington 98052

PROXY STATEMENT

ANNUAL MEETING OF SHAREHOLDERS
May 10, 2012

INFORMATION REGARDING PROXY

This Proxy Statement and the accompanying form of proxy are furnished in connection with the solicitation of proxies by the Board of Directors (“Board of Directors”) of Data I/O Corporation (the “Company” or “Data I/O”) for use at the Annual Meeting of Shareholders to be held on Thursday, May 10, 2012, at 2:00 p.m. Pacific Daylight Time at Data I/O’s principal offices, 6464 185th Ave NE, Suite 101, Redmond, Washington 98052, and at any adjournment of the meeting (the “Annual Meeting”). Shareholders of record at the close of business on March 12, 2012 (the “Record Date”) are entitled to notice of, and to vote, at the Annual Meeting. This Proxy Statement and a copy of Data I/O’s 2011 Annual Report to Shareholders are being mailed to shareholders on or about April 13, 2012.

A proxy card is enclosed for your use. *You are requested on behalf of the Board of Directors to sign, date, and return the proxy card in the accompanying envelope*, which is postage-paid if mailed in the United States or Canada, or you may vote by the internet at <http://www.proxyvoting.com/daio>, or by telephone, as provided in the instructions on the proxy card. If you vote by the internet or by telephone, you do not need to mail back the proxy card.

A proxy in the accompanying form, which is properly signed, dated and returned and not revoked, will be voted in accordance with its instructions. To vote on the election of directors, check the appropriate box under Item No. 1 on your proxy card. You may (a) vote for all of the director nominees as a group, (b) withhold authority to vote for all director nominees as a group, or (c) vote for all director nominees as a group except those nominees indicated to the contrary. To vote on a proposal to amend the Data I/O Corporation 2000 Stock Compensation Incentive Plan (the “2000 Plan”) to increase the number of shares reserved for issuance under the 2000 Plan by an additional 300,000 shares of common stock, check the appropriate box under Item No. 2 on your proxy card. You may (a) vote “FOR” approval of the amendment to the 2000 Plan, (b) vote “AGAINST” approval of the amendment to the 2000 Plan, or (c) “ABSTAIN” from voting on the approval of the amendment to the 2000 Plan. To vote on the proposal to ratify Grant Thornton LLP as Data I/O’s independent auditors for the calendar year ended December 31, 2012, check the appropriate box under Item No. 3 on your proxy card. You may (a) vote “FOR” approval of the ratification of Grant Thornton LLP as Data I/O’s independent auditors, (b) vote “AGAINST” approval of the ratification of Grant Thornton LLP as Data I/O’s independent auditors, or (c) “ABSTAIN” from voting on the ratification of Grant Thornton LLP as Data I/O’s independent auditors. Proxies which are returned to Data I/O without instructions will be voted as recommended by the Board of Directors. Any shareholder who returns a proxy may revoke it at any time prior to voting on any matter (without, however, affecting any vote taken prior to such revocation) by (i) delivering written notice of revocation to the Secretary of Data I/O at Data I/O’s principal offices, (ii) executing and delivering to Data I/O another proxy dated as of a later date, or (iii) voting in person at the Annual Meeting.

VOTING SECURITIES AND PRINCIPAL HOLDERS

The only outstanding voting securities of Data I/O are shares of common stock (the “Common Stock”). As of the Record Date, there were 8,510,897 shares of Common Stock issued and outstanding, and each such share is entitled to one vote at the Annual Meeting. The presence in person or by proxy of holders of record of a majority of the outstanding shares of Common Stock is required for a quorum for transacting business at the Annual Meeting. Shares of Common Stock underlying abstentions will be considered present at the Annual Meeting for the purpose of calculating a quorum. Under Washington law and Data I/O’s charter documents, if a quorum is present, the five nominees for election to the Board of Directors who receive the greatest number of affirmative votes cast at the Annual Meeting will be elected directors. Abstentions will have no effect on the election of directors because they are not cast in favor of any particular candidate. The proposals to approve the amendment and restatement of the 2000 Plan and to ratify the continued appointment of Grant Thornton as Data I/O’s independent auditors will be approved, if a quorum is present, if the number of votes cast in favor of the proposals exceeds the number of votes cast against the proposals. Abstentions and broker non-votes on the proposals will have no effect because approval of the proposals is based solely on the votes cast. Proxies and ballots will be received and tabulated by Computershare Shareowner Services LLC, an independent business entity not affiliated with Data I/O.

Effect of Not Casting Your Vote

If you hold your shares in street name, it is critical that you cast your vote if you want it to count in the election of Directors (Item No. 1 of this Proxy Statement) or the proposal to amend and restate the Data I/O Corporation 2000 Stock Compensation Incentive Plan (Item No. 2 of this Proxy Statement). In the past, if you held your shares in street name and you did not indicate how you wanted your shares voted in the election of directors, your bank or broker was allowed to vote those shares on your behalf in the election of directors as they felt appropriate. Recent changes in regulations no longer allow your bank or broker to vote your uninstructed shares in the election of directors on a discretionary basis. If you hold your shares in street name and you do not instruct your bank or broker how to vote in the election of directors or the approval of the amendment and restatement of the 2000 Plan, no votes will be cast on your behalf in either of these matters. Your bank or broker will, however, continue to have discretion to vote any uninstructed shares on the ratification of the appointment of Data I/O's independent auditors (Item No. 3 of this Proxy Statement). If you are a shareholder of record and you do not cast your vote, no votes will be cast on your behalf of any of the items of business at the Annual Meeting.

The Common Stock is traded on the NASDAQ Capital Market under the symbol "DAIO". The last sale price for the Common Stock, as reported by the NASDAQ Capital Market on March 12, 2012, was \$3.90 per share.

Principal Holders of Data I/O's Common Stock

The following table sets forth information for to all shareholders known by Data I/O to be the beneficial owners of more than five percent of its outstanding Common Stock as of March 12, 2012. Except as noted below, each person or entity has sole voting and investment powers with for the shares shown.

Name and Address	Amount and Nature of Beneficial Ownership		Percent of Shares Outstanding
Wellington Management Company, LLP Wellington Trust Company, NA 75 State Street Boston, Massachusetts 02109	883,100	(1)	10.38%
Nicusa Capital Partners, LP Nicusa Capital LLC Nicusa Investment Advisors 17 State Street, suite 1650 New York, NY 10004	889,817	(2)	10.46%
Penbrook Management, LLC AnKap Partners, L.P. AnKap, LLC; Robert S. Anderson, Ralph Kaplan Barbara Burke DiCostanzo Ward Anderson 570 Lexington Avenue, 12 th Floor New York, NY 10022	661,250	(3)	7.77%
Leviticus Partners, L.P. AMH Equity LLC 60 East 42 nd Street, suite 901 New York, NY 10165	674,982	(4)	7.93%

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- (1) The holding shown is as of December 31, 2011, as reported by Wellington Management Company, LLP on the most recent (dated February 14, 2012) Schedule 13G filed pursuant to Rule 13d-1(b) under the Securities Exchange Act of 1934 . The Schedule 13G indicates that Wellington Management holds shared voting and dispositive power with respect to 883,100 shares. Wellington Management filed this 13G, in its capacity as investment advisor, for shares that are owned by clients.

No Wellington client is known to have rights or powers with respect to more than 5% of this security, except for Wellington Trust Company, NA.

The holding shown is as of December 31, 2011, as reported by Wellington Trust Company, NA on the most recent (dated February 14, 2012) Schedule 13G filed pursuant to Rule 13d-1(b) under the Securities Exchange Act of 1934. The Schedule 13G indicates that Wellington Trust holds shared voting and dispositive power with respect to 883,100 shares. Wellington Trust filed this 13G, in its capacity as investment advisor, for shares that are owned by clients. No Wellington Trust client is known to have rights or powers with respect to more than 5% of this security.

- (2) The holding shown is as of December 31, 2011, as reported by Nicusa Capital Partners, L.P. on the most recent (dated February 22, 2012) Schedule 13G filed pursuant to Rule 13d-1(c) under the Securities Exchange Act of 1934. The Schedule 13G indicates that Nicusa Capital Partners, L.P. holds shared voting and dispositive power with respect to 889,817 shares. Nicusa Capital Partners, L.P. and Nicusa Investment Advisors, LLC (NIA) filed this 13G. NIA serves as investment advisor to Nicusa Capital Partners, L.P. and for the accounts of various third parties unaffiliated with Nicusa Capital Partners, L.P. The statement pertains to all of the shares held by both Nicusa Capital Partners, L.P. and the other accounts managed by NIA.
- (3) The holding shown is as of December 31, 2011 as jointly reported by Penbrook Management, LLC; AnKap Partners, L.P.; AnKap, LLC; Robert S. Anderson; Ralph Kaplan; Barbara Burke DiCostanzo; and Ward Anderson, on the most recent (filed February 2, 2012) Schedule 13G filed pursuant to Rule 13d-1(c) under the Securities Exchange Act of 1934. The Schedule 13G indicates that Penbrook Management has sole dispositive power of 479,250 shares and disclaims beneficial ownership of them; AnKap Partners has sole voting power and dispositive power for 185,000 shares; AnKap, LLC has sole voting power and dispositive power for 185,000 shares and disclaims beneficial ownership of them; Robert S. Anderson has sole voting and dispositive power for 51,300 shares, shared voting power for 185,000 shares and shared dispositive power for 609,850 shares; with an aggregate amount of 661,250 shares, however disclaiming beneficial ownership of shares managed by Penbrook Management and AnKap Partners; Ralph Kaplan has shared voting power for 185,000 shares and shared dispositive power for 609,850 shares; with an aggregate amount of 609,850 shares, however disclaiming beneficial ownership of shares managed by Penbrook Management and AnKap Partners; Barbara Burke DiCostanzo has sole voting and dispositive power for 2,100 shares and shared voting power for 185,000 share and shared dispositive power for 609,850 shares; with an aggregate amount of 611,950 shares, however disclaiming beneficial ownership of shares managed by Penbrook Management and AnKap Partners. Ward Anderson has sole voting and dispositive power for 1,000 shares and shared voting power for 0 shares and shared dispositive power for 424,850 shares; with an aggregate amount of 425,850 shares, however disclaiming beneficial ownership of these shares managed by Penbrook Management.
- (4) The holding shown is as of July 28, 2011 as jointly reported by Leviticus Partners, L.P. ("Leviticus") and AMH Equity, LLC ("AMH") on the most recent Schedule 13G/A filed pursuant to Rule 13d-i(c) under the Securities Exchange Act of 1934. The Schedule 13G/A indicates Leviticus holds sole voting and dispositive power with respect to 628,500 shares; AMH Equity, LLC holds a sole voting and dispositive power with respect to 46,482 shares; AMH is the general partner of Leviticus; and Adam Hutt is the managing member of AMH. The aggregate amount beneficially owned by the reporting parties is 674,982 shares.

Directors' and Officers' Share Ownership

The following table indicates ownership of Data I/O's Common Stock by each director of Data I/O, each executive officer named in the compensation tables appearing later in this Proxy Statement, and by all directors and executive officers as a group, all as of March 12, 2012. Data I/O is not aware of any family relationships between any director, director nominee or executive officer of Data I/O.

<u>Name</u>	<u>Amount and Nature of</u>		<u>Percent of Shares</u>
	<u>Beneficial Ownership</u>		<u>Outstanding</u>
Frederick R. Hume	350,825	(1)	4.12%
Joel S. Hatlen	229,282	(2)	2.69%
Paul A. Gary	123,170	(3)	1.45%
William R. Walker	83,709	(4)	(10)
Steven M. Quist	71,061	(5)	(10)
Gordon B. Bluechel	57,445	(6)	(10)
Douglas W. Brown	8,125	(7)	(10)
Kenneth B. Myer	2,500	(8)	(10)
All current directors and executive officers as a group (7 persons)	926,117	(9)	10.88%

(1) Includes options to purchase 166,250 shares exercisable within 60 days.

(2) Includes options to purchase 83,126 shares exercisable within 60 days.

(3) Includes options to purchase 53,709 shares exercisable within 60 days.

(4) Includes options to purchase 53,709 shares exercisable within 60 days.

(5) Includes options to purchase 53,709 shares exercisable within 60 days.

(6) Includes options to purchase 53,204 shares exercisable within 60 days.

(7) Includes options to purchase 8,125 shares exercisable within 60 days

(8) Includes options to purchase 2,500 shares exercisable within 60 days

(9) Includes options to purchase 474,332 shares exercisable within 60 days

(10) Less than 1 percent each.

Data I/O is not aware of any arrangement the operation of which may at a subsequent date result in a change of control of Data I/O.

CORPORATE GOVERNANCE

Board Charters

The Board of Directors has adopted Corporate Governance and Nominating Committee, Audit Committee and Compensation Committee Charters. All our charters are reviewed and updated periodically and the current versions are posted on the corporate governance page of our website. The corporate governance page can be accessed on our website at www.dataio.com/company/investorrelations/corporategovernance.aspx. All of these Charters are consistent with the applicable requirements of the Sarbanes-Oxley Act of 2002 and our NASDAQ listing standards.

Code of Ethics

Our updated Code of Ethics is also posted on the corporate governance page of our website. Data I/O's Code of Ethics applies to all directors, officers and employees of Data I/O, including the named executive officers. The key principles of the Code are to act legally, and with integrity in all work for Data I/O. We will post any amendments to our Code of Ethics on the corporate governance page of our website at www.dataio.com/company/investorrelations/corporategovernance.aspx. In the unlikely event that the Board of Directors approves any waiver to the Code of Ethics for our executive officers or directors, information concerning such waiver will also be posted on our website. In addition to posting information regarding amendments and waivers on our website, the same information will be included in a Current Report on Form 8-K within four business days following the date of the amendment or waiver, unless website posting of such amendments or waivers is permitted by the rules of The NASDAQ Stock Market, Inc.

Risk Oversight

Because our Board of Directors consists of four independent directors, who are on all of our Board Committees, and two non-independent directors, our Chief Executive Officer and Mr. Myer, risk oversight is generally handled by our entire Board of Directors, although certain risk oversight areas such as internal control and compensation are handled by our Audit Committee and Compensation Committee, respectively.

Director Independence

Paul A. Gary, Steven M. Quist, William R. Walker and Douglas W. Brown are independent directors, as defined in Rule 4200 (a)(15) of the National Association of Securities Dealers listing standards (the “NASD Rules”). Kenneth B. Myer served as a consultant to the company from February 2011 to October 2011 during which he received consulting fees of \$123,750 and had been granted 5,000 stock options vesting over a one year period of which half vested and half were forfeited. As a result of this compensation, Mr. Myer is not an independent director. Mr. Hume, our Chief Executive Officer, is not an independent director.

Leadership Structure

Data I/O has separated our Chairman and Chief Executive Officer positions to emphasize the independent roles of the Chairman of our Board and the executive role of our Chief Executive Officer. We believe this separation more clearly supports the Board of Director’s independence, as opposed to a structure that combines the Chairman and Chief Executive Officer roles. Our current Chairman, Paul A. Gary, (Douglas W. Brown Chairman effective April 1, 2012) functions as our lead independent director and Frederick R. Hume is our Chief Executive Officer, President and Director.

PROPOSAL 1: ELECTION OF DIRECTORS

The Board of Directors consisted of five directors through March 8, 2012 when Kenneth Myer was added as a Director. The Board of Directors determined it would be in the best interest of Data I/O to increase the size of the Board of Directors to six directors temporarily as a transition from the retiring director, Mr. Gary, to the nominated five directors, and to add experience and other attributes that Mr. Myer adds as a director. At the 2011 Annual Meeting, the shareholders elected five directors to serve until the next Annual Meeting or until his or her successor has been qualified and elected or such director’s earlier death, resignation or removal. For the 2012 Annual Meeting the Board of Directors has approved the five nominees named below. All the nominees are currently members of the Board of Directors. Each of the nominees has indicated that they are willing and able to serve as directors. However, should one or more of the nominees not accept the nomination, or otherwise be unwilling or unable to serve, it is intended that the proxies will be voted for the election of a substitute nominee or nominees designated by the Board of Directors. With the planned retirement of Mr. Hume during 2012, it is expected that his successor will be appointed to the Board of Directors. Mr. Hume has agreed to resign from the Board of Directors, at the time Mr. Hume’s retirement becomes effective.

RECOMMENDATION: The Board of Directors recommends a vote FOR each of the director nominees.

Frederick R. Hume, age 69, became President and Chief Executive Officer of Data I/O on February 23, 1999. He has been a director of Data I/O since January 1999. From 1988 until his retirement in 1998, Mr. Hume was Vice President and General Manager of Keithley Instruments in Cleveland, Ohio. From 1972 to 1988, he held various management positions at John Fluke Manufacturing, including Group Vice President for Manufacturing and Research and Development.

Mr. Hume has extensive test and measurement and programming industry operating, executive leadership, public company experience as well as experience as a director of various companies. He has a strong background in creating, communicating, executing and sustaining strategic initiatives. Additionally, Mr. Hume’s role as our Chief Executive Officer gives him extensive knowledge of Data I/O as well as unique insights into our challenges, opportunities and operations, that the Board of Directors believes qualifies him to serve as a director of Data I/O.

Steven M. Quist, age 66, was appointed as a director of Data I/O in 2001. Mr. Quist has been the Principal of Blackmore Peak Partners, a management consulting firm since 2003. From 1998 until 2003, he was President and Chief Executive Officer of CyberOptics Corporation, and a Director of CyberOptics Corporation from 1991 to 2004. From 1992 to 1998 he was President of Rosemount Inc., a subsidiary of Emerson Electric Co. (NYSE: EMR). Since 2000, Mr. Quist has been a director of Rimage Corporation. Also, Mr. Quist is a director of two privately held companies: S2 Corporation, and Nervonix, Inc.

Mr. Quist has held a variety of senior management positions, in 28 years at Emerson Electric and has served as a Chief Executive Officer of a public company for 5 years. Mr. Quist has significant business management experience, which includes extensive

experience in technology and new product development, marketing, compensation and human resources, board, and corporate governance matters that the Board of Directors' believes qualifies him to serve as a director of Data I/O.

William R. Walker, age 70, has been a director of Data I/O since October 2003. From 1997 to 2009, Mr. Walker was the Chief Financial Officer, Secretary, Vice President of Hi/fn, Inc., a manufacturer of integrated circuits and software for storage and network infrastructure developers. From 1996 to 1997, he was the Chief Financial Officer, Secretary, Vice President of MMC Networks, Inc. From 1984 to 1996, Mr. Walker was Senior Vice President and Chief Financial Officer of Zilog, Inc.

Mr. Walker has extensive semiconductor financial, executive leadership and public company experience; experience as a director on various boards; CFO and financial expert experience; and extensive knowledge of Data I/O that the Board of Directors' believes qualifies him to serve as a director of Data I/O.

Douglas W. Brown, age 56, has been a director of Data I/O since April 1, 2011. Mr. Brown is the President and Chief Executive Officer of All Star Directories, Inc. in Seattle, Washington a Web-based publisher of post-secondary online and career school directories, which he joined in 2005. From 2003 to 2005, Mr. Brown provided governance and interim executive services, with engagements as President or Board member of venture backed clients. From 1998 to 2003, Mr. Brown was a Board member of GoAhead Software and was appointed its President in 2001. From 1993 to 1999, Mr. Brown was a President of a Seattle-area manufacturing company which became a Division of Leggett & Platt in 1996. Prior to that time, Mr. Brown was the Chief Financial Officer of Oculon and Seattle Silicon, and Executive Vice President, Finance and Operations at Phamis. He started his career as a Certified Public Accountant at Arthur Young & Co, now Ernst & Young in Seattle.

Mr. Brown has extensive software, financial, CEO and board level experience that the Board of Directors believes qualifies him to serve as a director of Data I/O.

Kenneth B. Myer, age 54, was appointed a director of Data I/O effective March 8, 2012. Mr. Myer is the interim President and CEO of Yapta, the leading provider of travel price assurance solutions. Since April 2010 Mr. Myer has been a strategy consultant and interim executive to technology companies and has been an entrepreneur-in-residence at the University of Washington's Center for Commercialization, in Seattle, Washington. From February 2011 to October 2011 he served as a consultant to Data I/O in the role of General Manager of the Azido Initiative and from November 2006 to March 2010, Mr. Myer was President and CEO of the Washington Technology Industry Association (WTIA). Mr. Myer served from 2005 to 2006 as Sr. Vice President of TeleSym, from 2002 to 2004 as co-founder and CEO of Interval Systems, and from 1999 to 2002 as Executive Vice President of Active Voice. Mr. Myer previously spent 15 years with IBM in various executive positions with his last role being General Manager of the Northwest & Intermountain regions.

Mr. Myer has extensive sales, marketing, software industry, technology senior management and CEO level experience as well as extensive experience as a director of various boards and in working with Data I/O's team and the Azido Initiative that the Board believes qualifies him to serve as a director of Data I/O.

THE BOARD OF DIRECTORS

Communications with the Board of Directors

Shareholders may communicate with the Board of Directors by sending an email or by sending a letter to Data I/O Corporation Board of Directors, c/o the Secretary, 6464 185th Ave NE, Suite 101, Redmond, WA 98052. The Secretary will receive the correspondence and forward it to the Chairman of the applicable Board of Directors Committee or to any individual director or directors to whom the communication is directed.

BOARD COMMITTEES

During the year ended December 31, 2011, there were eight meetings of the Board of Directors. Each of the incumbent directors who was on the Board of Directors during 2011 attended at least 75% of the aggregate of the total number of meetings of the Board of Directors and the total number of meetings held by all committees of the Board of Directors on which he served during his term of service on the Board of Directors. Data I/O does not have a policy requiring members of the Board of Directors to attend the Annual Meeting, although we typically encourage our Board of Directors to attend. Mr. Hume and Mr. Brown attended our 2011 Annual Meeting and no other Director attended as our Board of Directors did not have a meeting scheduled for that day.

The Board of Directors had three standing Committees during 2011, each comprised solely of independent directors during 2011 as defined by NASDAQ standards and the Sarbanes-Oxley Act of 2002: the Corporate Governance and Nominating Committee, the Audit Committee, and the Compensation Committee. The Audit Committee consisted of Messrs. Gary, Quist, Brown (from July 20,

2011 on) and Walker (Chair). The Compensation Committee consisted of Messrs. Gary, Walker, Brown (from July 20, 2011) and Quist (Chair). The Corporate Governance and Nominating Committee consisted of Messrs. Gary (Chair until July 20, 2011), Brown (Chair July 20, 2011 to March 8, 2012), Myer (a non-independent director was added and became Chair March 8, 2012), Walker and Quist.

Corporate Governance and Nominating Committee

The Corporate Governance and Nominating Committee, or “CGNC”, develops, recommends to the Board of Directors, and monitors a set of corporate governance principles applicable to Data I/O. The CGNC seeks qualified candidates to serve on the Board of Directors, and during 2011 until March 8, 2012 when the CGNC charter was amended, recommends them for the Board of Directors’ consideration for election as directors at the Annual Meeting of Shareholders and proposes candidates to fill vacancies on the Board of Directors. The CGNC met five times in 2011. Under the current CGNC charter, as long as Mr. Myer is not an independent director and is on the CGNC, the Committee may not recommend the director nominees to the Board of Directors. Instead, director nominees will be recommended for the Board’s selection by a majority of the independent directors of the Board in a Board vote in which only independent directors participate.

Audit Committee

The Audit Committee appoints, oversees, evaluates, and engages independent certified public accountants for the ensuing year and approves the compensation and other terms of such engagement; reviews the scope of the audit; periodically reviews Data I/O’s program of internal control and audit functions; receives and reviews the reports of the independent accountants; and reviews the annual financial report to the directors and shareholders of Data I/O. Each member of the Audit Committee is an independent director, as defined by the NASDAQ listing standards and the Sarbanes-Oxley Act of 2002. The Audit Committee includes three financial experts, William R. Walker, Douglas W. Brown and Steven M. Quist, as defined in the Securities and Exchange (“SEC”) rules adopted pursuant to the Sarbanes-Oxley Act of 2002. Mr. Walker has the financial sophistication required by Rule 4350(d)(2) of the NASD Rules. The Audit Committee met five times during 2011. See the “Report of the Audit Committee.”

Compensation Committee

The Compensation Committee of the Board of Directors (the “Committee”) is composed entirely of independent outside directors. The Committee is responsible for setting and administering the policies which govern all of the compensation programs of Data I/O.

The Compensation Committee makes recommendations to the Board of Directors concerning the compensation of Data I/O’s executive officers. The committee administers Data I/O’s long-term equity incentive plans. The Compensation Committee reviews all employee benefit programs and approves significant changes in major programs and all new programs. The Compensation Committee met four times during 2011.

As authorized by the Compensation Committee charter, the Compensation Committee may retain consultants or other advisors to assist in carrying out its responsibilities. The Compensation Committee engaged Milliman, Inc, one of the world’s largest independent consulting and actuarial firms, as compensation consultant to assist in evaluating Data I/O’s Board of Directors’, executive officers’ and certain senior managers’ compensation. Milliman, Inc. provided survey market data and advice on cash retainer, base salary and incentive compensation in 2010 and non-cash equity compensation in 2011 for Board of Directors, executive officers, and certain senior managers positions identified by the Compensation Committee. The Compensation Committee did not provide Milliman, Inc. with any direction as to the expected results of Milliman’s work for the Compensation Committee.

Consideration of Director Nominees

The Corporate Governance and Nominating Committee, or the independent members of the Board of Directors as applicable, in evaluating and determining whether to recommend a person as a candidate for election as a director, consider relevant management and/or technology industry experience (such as experience as chief executive, operations or financial officer, or similar positions); knowledge of Data I/O; educational experience; commitment to maximizing shareholder value; certain values such as integrity, accountability, judgment and adherence to high performance standards; independence pursuant to applicable guidelines; ability and willingness to undertake the required time commitment to Board functions; shareholder input; and an absence of conflicts of interest with Data I/O.

Director Diversity

The Corporate Governance and Nominating Committee also considers issues of diversity, such as diversity of gender, race and national origin, education, professional experience and differences in viewpoints and skills. The CGNC does not have a formal policy

on Board diversity; however, the CGNC believes that it is important for Board members to represent diverse viewpoints. In considering candidates for the Board, the CGNC considers the entirety of each candidate's credentials in the context of these standards. With respect to evaluating the nomination of continuing directors for re-election, the individual's contributions to the Board are also considered.

Identifying Director Nominees; Consideration of Nominees of the Shareholders

The Corporate Governance and Nominating Committee may employ a variety of methods for identifying and evaluating nominees for director. The CGNC regularly assesses the size of the Board, the need for particular expertise on the Board, and whether any vacancies on the Board are expected due to retirement or otherwise. In the event that vacancies are anticipated, or otherwise arise, the CGNC considers various potential candidates for director which may come to the CGNC's attention through current Board members, professional search firms, shareholders, or other persons. These candidates are evaluated at regular or special meetings of the CGNC, and may be considered at any point during the year.

The Corporate Governance and Nominating Committee will consider candidates recommended by shareholders, when the nominations are properly submitted, under the criteria summarized above in "Consideration of Director Nominees" and in accordance with the procedures described below in "Shareholder Nominations and Proposals for the 2013 Annual Meeting of Shareholders." Following verification of the shareholder status of persons proposing candidates, the CGNC makes an initial analysis of the qualifications of any candidate recommended by shareholders or others pursuant to the criteria summarized above to determine if the candidate is qualified for service on the Data I/O Board of Directors before deciding to undertake a complete evaluation of the candidate. If any materials are provided by a shareholder or professional search firm in connection with the nomination of a director candidate, such materials are forwarded to the Committee as part of its review. Other than the verification of compliance with procedures and shareholder status, and the initial analysis performed by the CGNC, a potential candidate nominated by a shareholder is treated like any other potential candidate during the review process by the CGNC. For eligible shareholder nominees to be placed on the ballot for the 2012 Annual Meeting of Shareholders, shareholders were required to deliver nominations for proposed director nominees to Data I/O by February 17, 2012. While no formal candidate nominations were made by shareholders for election at the 2012 Annual Meeting, candidates were identified and recommended by shareholders and included in the selection process for new nominations. Mr. Myer was identified by members of the Board of Directors and management.

Certain Relationships and Related Transactions

Our Audit Committee is charged with monitoring and reviewing issues involving potential conflicts of interest, and reviewing and approving related party transactions as set forth in the Code of Ethics, which is located on our website at www.dataio.com. Under our Code of Conduct our directors, officers and employees are expected to avoid conflicts of interest with Data I/O and are required to report any such conflicts of interest to our Chief Executive Officer or Chief Financial Officer, or to the Chair of our Audit Committee. Our Audit Committee reviews all such transactions and relationships by our directors and executive officers that come to its attention either through the director and officer questionnaires or otherwise, and considers whether to approve or take other appropriate action with respect to such transactions or relationships. During 2011, no such transactions occurred.

BOARD COMPENSATION

Employee directors (Frederick R. Hume) do not receive additional compensation for serving on the Board of Directors. Non-employee directors received a cash retainer of \$6,000 for each quarter of service, plus \$1,500 for each full Board of Directors meeting attended and \$500 for each teleconference Board of Directors or separate Committee meeting attended. Data I/O paid additional quarterly compensation to the non-employee directors for serving as Chairman of the Board of Directors or as a Committee chair: \$3,750 for Chairman of the Board of Directors; \$2,500 for Chairman of the Audit Committee; \$2,000 for Chairman of the Compensation Committee; and \$750 for Chairman of the Corporate Governance and Nominating Committee until July 20, 2011 when it became \$2,000. Effective October 19, 2011, to enhance additional communication at no cost to the Company, the Board determined that no meeting or teleconference fees would be paid for additional Board or committee meetings beyond those previously scheduled. Effective for 2012, separate meeting and teleconference fees were eliminated and an equivalent amount was made part of the cash retainer, resulting in a scheduled cash retainer of \$7,750 for each quarter of service.

In addition, each non-employee Board of Directors member as of May 17, 2011, was granted an option for 12,500 shares of Data I/O stock. New members who join the Board of Directors are granted 15,000 shares as an initial grant. The stock options were granted under the provisions and terms of the Amended and Restated 2000 Stock Compensation Incentive Plan ("2000 Plan"). Data I/O also reimburses non-employee directors for actual travel and out-of-pocket expenses incurred in connection with service to Data I/O. For the 2012 equity grant, which will be effective immediately following the election of the Board of Directors, the Board is evaluating the use of restricted stock as an alternative to stock options to better align the interests of the Board of Directors and Data I/O's shareholders.

At the January 25, 2012 Board of Directors Meeting, the Board determined that, with the revised cash retainer amount, each Data I/O non-employee member of the Board of Directors will be required to achieve ownership of Data I/O stock of at least equal to three times the annual director cash retainer fee. Non-employee directors have five years from their initial election to meet the target guideline. Amounts that count toward meeting the target guideline include: shares owned; shared ownership (shared owned or held in trust by immediate family); and the gain amount from in-the-money vested options. If the stock ownership target guideline has not been met by any non-employee director, until such time as such Director reaches the guideline, he or she will be required to retain any Data I/O shares issued by Data I/O to such director (other than those disposed of to pay for the exercise and associated taxes on those shares). As of the Record Date, Mr. Gary and Mr. Walker of the current non-employee directors met the stock ownership target guideline, Mr. Quist, Mr. Brown and Mr. Myer did not meet the stock ownership target guideline and have 1, 4 and 5 years to meet the target ownership guideline.

At the February 24, 2011 meeting of the Board of Directors, the Board determined that the Chief Executive Officer will be required to achieve ownership of Data I/O stock of at least two times the base pay of the CEO. The CEO has five years from appointment to meet the target guideline. Amounts that count toward meeting the target guideline are the same as for the Board of Directors. If the stock ownership target guideline has not been met by any non-employee director or the Chief Executive Officer, until such time as such Director or Chief Executive Officer reaches the guideline, he or she will be required to retain any Data I/O shares issued by Data I/O (other than those disposed of to pay for the exercise and associated taxes on those shares). As of the Record Date the CEO met the stock ownership target guideline.

DIRECTOR COMPENSATION

The following table shows compensation paid by Data I/O to non-employee directors during 2011.

Name	Fees Earned or Paid in Cash (\$)	Stock Awards (\$)	Option Awards (\$)	Non-Equity Incentive Plan Compensation (\$)	Nonqualified Deferred Compensation Earnings	All Other Compensation (\$)	Total (\$)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Paul A. Gary (1) (2)	47,663	-	32,591	-	-	-	80,254
Steven M. Quist (1) (2)	39,000	-	32,591	-	-	-	71,591
William R. Walker (1) (2)	41,000	-	32,591	-	-	-	73,591
Douglas W. Brown (1) (2)	26,565	-	72,589	-	-	-	99,154
Kenneth B. Myer (3)							

- (1) Each outside director elected in 2011 was granted 12,500 stock options with a grant date fair value under Black Scholes of \$- on May 17, 2011 with a 6 year life and 3 year quarterly vesting. In addition, Mr. Brown received an initial option grant of 15,000 shares on being appointed a director on April 1, 2011 with a 6 year life and 3 year quarterly vesting.
- (2) Each current outside director had the following aggregate number of option awards outstanding at December 31, 2011: Gary 68,000; Quist 68,000; Walker 68,000 and Brown 27,500.
- (3) Mr. Myer was added as a director effective March 8, 2012 and received no 2011 amounts as a Director. In connection with his previous consulting engagement with Data I/O during 2011, he received consulting fees of \$123,750 and a February 24, 2011 grant of 5,000 options at a grant price of \$5.975 per share, vesting quarterly over one year, with a life and exercise period of 3 years. He vested in 2,500 of those options and forfeited 2,500 at the end of his engagement in October 2011.

SECTION 16(A) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Section 16(a) of the Securities Exchange Act of 1934 requires Data I/O's directors, certain officers and persons who own more than ten percent (10%) of Data I/O's Common Stock ("Reporting Persons") to file with the SEC initial reports of ownership and reports of changes in ownership of Common Stock and other equity securities of Data I/O. Reporting Persons are required by SEC regulations to furnish Data I/O with copies of all Section 16(a) reports.

To Data I/O's knowledge, based solely on its review of copies of such reports furnished to Data I/O and representations that no other reports were required, all Section 16(a) filing requirements applicable to its Reporting Persons were complied with during 2011.

REPORT OF THE AUDIT COMMITTEE

The Audit Committee oversees Data I/O's financial reporting process on behalf of the Board of Directors. Management has the primary responsibility for the consolidated financial statements and the reporting process, including the systems of internal controls.

Audit Committee members are not professional accountants, or auditors and their functions are not intended to duplicate or to certify the activities of management or the independent auditors. In fulfilling its oversight responsibilities, the Committee reviewed the audited consolidated financial statements in the Annual Report (Form 10-K) with management, including a discussion of the quality, not just the acceptability, of the accounting principles, the reasonableness of significant judgments, and the clarity of disclosures in the financial statements.

The Committee reviewed with the independent auditors, who are responsible for expressing an opinion on the conformity of those audited consolidated financial statements with generally accepted accounting principles in the United States, their judgments as to the quality, not just the acceptability, of Data I/O's accounting principles and such other matters as are required to be discussed by SAS 61 with the Committee under generally accepted auditing standards. In addition, the Committee has discussed with the independent auditors the auditors' independence from management and Data I/O including the matters in the written disclosures and the letter provided by the independent auditors, as required by the applicable requirements of the Public Company Oversight Board for independent auditor communications with Audit Committees concerning independence, and considered the compatibility of nonaudit services with the auditors' independence.

The Committee selects and engages Data I/O's independent auditors and discusses the overall scope and plans for their audits. The Committee meets with the independent auditors, with and without management present, to discuss the results of their examinations, their evaluations of Data I/O's internal controls, and the overall quality of Data I/O's financial reporting. The Committee held five meetings during 2011.

In reliance on the reviews and discussions referred to above, the Committee recommended to the Board of Directors (and the Board has approved) that the audited consolidated financial statements be included in Data I/O's Annual Report (Form 10-K) for the year ended December 31, 2011 for filing with the Securities and Exchange Commission. The Committee has selected Grant Thornton LLP as Data I/O's auditors for the current year.

Respectfully submitted,

AUDIT COMMITTEE

Paul A. Gary
Steven M. Quist
William R. Walker
Douglas W. Brown

March 31, 2012

PRINCIPAL ACCOUNTANT'S FEES AND SERVICES

Audit Fees: Aggregate fees billed by Grant Thornton LLP for professional services rendered for the audit of Data I/O's financial statements for each of the years ended December 31, 2011 and 2010 and for review of the financial statements included in each of Data I/O's Form 10-Q, were approximately \$189,655 and \$191,397 respectively.

Audit Related Fees: Aggregate fees billed for the years ended December 31, 2011 and 2010 were \$5,300 and \$0 respectively for assurance and related services by Grant Thornton LLP that are reasonably related to the performance of the audit or review of Data I/O's financial statements that are not reported under the caption "Audit Fees" above, including accounting treatment consultations.

Tax Fees: No aggregate fees were billed to Data I/O for each of the years ended December 31, 2011 and 2010 for professional services rendered by Grant Thornton LLP for tax compliance, tax advice, tax examination support, and tax planning.

All Other Fees: No aggregate fees were billed to Data I/O for each of the years ended December 31, 2011 and 2010 for all other products and services provided by Grant Thornton LLP that are not otherwise disclosed above.

Policy on Pre-Approval by Audit Committee of Services Performed by Independent Auditors

The Audit Committee's policy is to pre-approve all audit and permissible non-audit services provided by the independent auditors. These services may include audit services, non-audit services, tax services and other services. Pre-approval is detailed as to the particular service or category of service and is subject to a specific engagement authorization.

During the year, circumstances may arise when it may become necessary to engage the independent auditors for additional services not contemplated in the original pre-approval. In those circumstances, the Audit Committee has delegated pre-approval authority to the Chair of the Audit Committee for those instances when pre-approval is needed prior to a scheduled Audit Committee meeting. These additional approvals should be reported at the next scheduled Audit Committee meeting.

For 2011, all services provided by the independent auditors were pre-approved.

EXECUTIVE COMPENSATION

Elements of Our Company's Compensation Plan

Annual executive officer compensation consists of the following elements which are described in more detail below:

- Annual base salary;
- Management Incentive Compensation Plan or "MICP";
- Long-term equity incentives;
- Benefits; and
- Perquisites and other perceived benefits.

It is the Compensation Committee's policy to set total executive officer compensation at competitive levels based on compensation surveys with similar positions in similar sized companies and at levels sufficient to attract and retain a strong motivated leadership team. Our philosophy for compensation of executive officers is based on the following two principles:

- i. Executive base compensation levels should be established by comparison of job responsibility to similar positions in comparable companies and be adequate to retain highly-qualified personnel; and
- ii. Variable compensation should be established to provide incentive to improve performance and shareholder value.

- **Annual Base Salary.** The Compensation Committee establishes a base salary structure for each executive officer position. This structure defines the salary levels and the relationship of base salary to total cash compensation. The Compensation Committee reviews the salary structure periodically. Effective March 1, 2009 Mr. Hume voluntarily reduced his base salary by \$50,000 per year. Consideration of Data I/O's executive management normal 2009 and 2010 annual base salary adjustments was deferred indefinitely for executive officers as part of Data I/O's short-term cost control efforts and was readdressed effective July 1, 2010. On July 1, 2010, Mr. Hume's voluntary reduction was rescinded and base salary adjustments were made for all executive officers and employees. On July 1, 2011 base salary adjustments were made for all executive officers and employees.
- **MICP.** The MICP offers each executive officer a performance-based opportunity to earn the variable component of annual cash compensation in an amount tied to a percentage of the executive officer's base salary. The Compensation Committee's philosophy in setting executive MICP percentages and the formulas for MICP payout is to pay above average total compensation for better than average historical or expected financial performance and below average compensation for lower than or average historical or expected financial performance. The percentages of base salary targeted for MICP payout ("the MICP Target") for specific executive officers for a given year are generally the same as the previous year, but can be changed by the Compensation Committee on an annual basis. The 2010 and 2011 MICP Target percentages for our executive officers were as follows: Mr. Hume 50% of base salary; Mr. Hatlen 40% of base salary; and Mr. Bluechel 30% of base salary.

For 2010 and 2011, as well as for 2012, the Compensation Committee determined that it was critical to emphasize revenue, as measured by revenue growth percentage, along with profitability, as measured by operating profit as a percentage of revenue, as the critical measures for the MICP payout. The Compensation Committee retains discretion to adjust the calculation of the two measures for changes outside normal business operations such as acquisitions or asset sales. The measurement periods will be quarterly with 15% of the incentive opportunity allocated to each quarter and 40% to annual results. The MICP payout can range from 0% to 200% of each executive's MICP Target. If the maximum revenue growth and operating profit as percentage of revenue for the applicable year's range matrix were achieved under the MICP measures, the Chief Executive Officer would earn a cash bonus of 100% of his base salary; Mr. Hatlen would earn 80% of his base salary; and Mr. Bluechel would earn 60% of his base salary.

The Compensation Committee believes that for 2010 and 2011, as well as 2012, these measures of key results for Data I/O have affected or will affect near-term and long-term shareholder value. A greater or lesser percentage of MICP Target is to

be paid based on Data I/O's actual achievement of these measures with the payout target typically based on company financial plans aimed at being at approximately 100% or as the Board determines appropriate. For 2010 the MICP payout was 143.6% of target. For 2011 the MICP payout was 39.2% of target.

Data I/O Corporation 2010 MICP Variable Compensation Matrix

Range of Payouts (actual results interpolated) factor times 100%

2010 Revenue \$M- YEAR % Revenue Incr. over 2009 QTRLY	\$19 2.4%	\$20 7.8%	\$21 13.2%	\$22 18.6%	\$23 24%	\$24 29.4%	\$25 34.8%	\$26 40.2%	\$27 45.6%	\$28 51%	\$29 56.3%
O.P. as a % of Rev 18.5%	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
16.5%	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
14.5%	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
12.5%	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
10.5%	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
8.5%	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
6.5%	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4
4.5%	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
2.5%	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
0.5%	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(The two matrix measures are: Percentage Revenue Increase over 2009 and Operating Profit as a Percentage of Revenue)

Data I/O Corporation 2011 MICP Variable Compensation Matrix

Range of Payouts (actual results interpolated) factor times 100%

2011 Revenue \$M- YEAR % Rev INC. over 2010 QTRLY	\$26.4	\$26.7	\$27.1	\$27.5	\$27.9	\$28.3	\$29	\$30	\$31	\$32	\$33
	0%	1.2%	2.7%	4.2%	5.7%	7.1%	9.9%	13.7%	17.4%	21.2%	25%
OP as a % of Rev											
26.0%	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
23.5%	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
21.0%	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
18.5%	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
16.0%	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
13.5%	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5
11.0%	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4
8.5%	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3
6.0%	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2
4.5%	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
0.0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(The two matrix measures are: Percentage Revenue Increase over 2010 and Operating Profit as a Percentage of Revenue)

- **Long-Term Equity Incentives.** The Compensation Committee approves grants under the Data I/O Corporation 2000 Plan (“the Plan”). This is Data I/O’s only long-term incentive plan. The primary purpose of the Plan is to make a significant element of executive pay a reward for taking actions which maximize shareholder value over time. All new options or stock awards are granted under the 2000 Plan.

Award Criteria

The Compensation Committee grants options or restricted stock awards based primarily on its perception of the executive’s ability to affect future shareholder value and secondarily on the competitive conditions in the market for highly-qualified executives who typically command compensation packages which include a significant equity incentive. All options and restricted stock awards granted to our executive officers in 2010 and 2011 were based on these criteria.

Exercise Price

Historically, all options granted by Data I/O have been granted with an exercise price equal to the fair market value (an average of the day’s high and low selling price) of Data I/O’s Common Stock on the date of grant and, accordingly, will only have value if Data I/O’s stock price increases. Options granted to employees are non-qualified.

Vesting and Exercise

Options and restricted stock awards granted to employees vest at a rate of 6.25% per quarter and have a six year term. Options granted to non-employee Directors are also non-qualified options and vest quarterly over a three year period. All grants are subject to acceleration of vesting in connection with certain events leading to a change in control of Data I/O or in the advent in a change in control or at any other time at the discretion of the Compensation Committee. All options granted to

executive officers are issued in tandem with limited stock appreciation rights (“SARs”), which become exercisable only in the event of a change in control of Data I/O. See “Change in Control and other Termination Arrangements.”

Award Process

The timing of our typical grant/award is typically determined well in advance, with approval at a scheduled meeting of our Board of Directors or its Compensation Committee with the grant date to be effective on the date of our next Annual Meeting of Shareholders. The Annual Meeting of Shareholders does not coincide with any of our scheduled earning releases. We do not anticipate option grants at other dates, except for grants to new employees based on their first date of employment or in specific circumstances approved by the Compensation Committee. The grant date is established when the Compensation Committee approves the grant and all key terms have been determined. If at the time of any planned option grant/award date any member of our Board of Directors or Executive Officers is aware of material non-public information, the Company would not generally make the planned stock option/award grant. In such an event, as soon as practical after material information is made public, the Compensation Committee would authorize the delayed stock option grant.

- **Benefits.** Executive Officers of Data I/O are eligible for the same benefits as other Data I/O employees. Data I/O has no defined benefit pension programs. Data I/O has a 401(k) tax qualified retirement savings plan in which all U.S. based employees, including U.S. executive officers, are able to contribute the lesser of up to 100% of their annual salary or the limit prescribed by the IRS on a pre-tax basis. Data I/O will match up to 4% of pay contributed. Matching contributions in any year require employment on December 31 and vest after three years of service credit.
- **Perquisites and Other Personal Benefits.** We believe perquisites are not conditioned upon performance, create divisions among employees, undermine morale, and are inconsistent with our compensation philosophy and policy of equitable treatment of all employees based upon their contribution to our business. No executive officer received perquisites valued at \$10,000 or more in 2010 or 2011.
- **Individual Executive Officers’ Performance.** The base salary of each executive officer is reviewed annually by the President and Chief Executive Officer. This is done on the basis of a review by the President and Chief Executive Officer, evaluating the executive’s prior year performance against their individual job responsibilities and attainment of corporate objectives and Data I/O’s financial performance. In developing executive compensation packages to recommend to the Compensation Committee, the President and Chief Executive Officer considers, in addition to each executive’s prior year performance, the executive’s long-term value to Data I/O, the executive’s pay relative to that for comparable surveyed jobs, the executive’s experience and ability relative to executives in similar positions, and the current year increases in executive compensation projected in industry surveys.

The Compensation Committee then reviews the President and Chief Executive Officer’s recommendations for executive officers’ total compensation and approves final decisions on pay for each executive officer based on the President and Chief Executive Officer’s summary of the executive officers performance and on the other criteria and survey data described above. In this process, the Compensation Committee consults with Data I/O’s President and Chief Executive Officer.

The base salary, total cash compensation, and long term equity incentive compensation for the President and CEO are reviewed annually by the Compensation Committee. This review includes a written evaluation of the CEO’s performance for the previous year. The Compensation Committee meets annually without the President and Chief Executive Officer to evaluate his performance and to develop a recommendation for his compensation for the coming year. In addition to reviewing Data I/O’s financial performance for the prior year, the Committee consulted with its advisors from Milliman, and reviewed compensation surveys for chief executive officers and the President and Chief Executive Officer’s individual performance, including development and execution of short- and long-term strategic objectives, Data I/O revenue growth and profitability, the achievement of which is expected to increase shareholder value.

The Compensation Committee determined the compensation package, including salary, bonus, stock option grants, and other benefits for Frederick R. Hume, President and Chief Executive Officer, based on the Committee’s perception of his qualifications for the position, his performance results, his ability to affect future shareholder value, compensation surveys, and the competitive conditions in the market.

Consideration of Risk in Compensation

The Compensation Committee believes that promoting the creation of long-term value discourages behavior that leads to excessive risk. The Compensation Committee believes that the following features of our compensation programs provide incentives for the creation of long-term shareholder value and encourage high achievement by our executive officers without encouraging inappropriate or unnecessary risks:

- Our long-term incentives in the form of stock options or restricted stock are at the discretion of the Compensation Committee and not formulaic.
- Stock options become exercisable over a four year period and remain exercisable for up to six years from the date of grant, encouraging executives to look to long-term appreciation in equity values.
- We balance short and long-term decision-making with the annual cash incentive program and stock options that vest over four years.
- Because of the extent of the CEO and CFO's direct stock ownership and in-the-money options, they could lose significant wealth if Data I/O were exposed to inappropriate or unnecessary risks which in turn affected our stock price.
- The financial metrics used in the cash incentive program are measures the Committee believes drive shareholder value. These measures are revenue growth percentage and operating income as a percentage of revenue. Moreover, the Committee attempts to set ranges for these measures that encourage success without encouraging excessive risk taking to achieve short-term results.
- In addition, the overall MICP incentive compensation cannot exceed two times the MICP Target amount, no matter how much financial performance exceeds the ranges established at the beginning of the year.

Accounting and Tax Considerations of our Compensation Program

Options granted to employees are non-qualified options because of the more favorable tax treatment for Data I/O. We are required to value granted stock options under the fair value method and expense those amounts in the income statement over the stock option's remaining vesting period.

We have structured our compensation program to comply with Internal Revenue Code Sections 162(m) and 409A. Under Section 162(m) of the Internal Revenue Code, a limitation was placed on tax deductions of any publicly-held corporation for individual compensation to covered employees (generally the chief executive officer and the three other most highly compensated executive officers, other than the chief financial officer, whose compensation must be disclosed pursuant to rules and regulations under the Securities Exchange Act of 1934) exceeding \$1,000,000 in any taxable year, unless the compensation is performance-based. The Compensation Committee is aware of this limitation and believes that no compensation to be paid by Data I/O in 2012 will exceed the \$1 million limitation, except possibly related to a change of control.

Change in Control and other Termination Arrangements

- **Change in Control Arrangements.** Data I/O has entered into agreements (the "Executive Agreements") with Messrs. Hume and Hatlen which entitle them to receive payments if they are terminated without cause or resign with good reason within specified periods before or after the occurrence of certain events deemed to involve a change in control of Data I/O. Effective December 31, 2011, the Executive Agreements were amended and restated and the term of the Executive Agreements was extended until December 31, 2014. The Executive Agreements ensure appropriate incentives are in place for Messrs. Hume and Hatlen to complete any change in control related transaction and transition and to comply with the provisions of Section 409A of the Internal Revenue Code. The Executive Agreements state that the resulting additional severance will be calculated under the Executive Agreements based on Data I/O's severance policy in place immediately preceding the date of a change in control (See: "Other Termination Arrangements" below for current severance policy). The Executive Agreements provide for continuation and vesting in Data I/O's matching 401(k) contributions through the date of termination after a change in control and include a reimbursement allowance of \$20,000 for outplacement services. The Executive Agreements also have a transaction closing incentive of one half year's annual salary for Messrs. Hume and Hatlen to encourage the consideration of all forms of strategic alternatives. On March 1, 2012, Mr. Hume announced his retirement and entered into a Separation Agreement with Data I/O, which terminated his Executive Agreement and his eligibility for Data I/O's severance policy.

In order to better ensure appropriate incentives were in place for Mr. Bluechel and certain other key individuals to complete a change in control related transaction and transition, the Board of Directors at its October 22, 2008 meeting also approved the following change in control arrangements for Mr. Bluechel and certain other key individuals:

- a change in control transition incentive of three month's salary at the end of one year following a change in control or involuntary termination, whichever occurs first;

- vesting of stock options on close of change in control transaction;
- up to \$10,000 in outplacement services on termination after a change in control;
- continuation of and vesting in Data I/O's matching 401(k) contribution through date of termination after change in control; and
- severance based on Data I/O's severance policy in place immediately preceding the date of a change in control .

Data I/O's option grants and stock awards have been granted pursuant to the 2000 Plan. The Change in Control provision applicable to the 2000 Plan is as follows:

2000 Plan

The 2000 Plan allows for the granting of options and other restricted stock awards. Subject to any different terms set forth in the award agreement, vesting of "qualifying" options and restricted stock awards may be affected by a Change in Control and as described out in the table below. A "Change in Control" is defined to include (i) a merger or consolidation of the Company in which more than 50% of the voting power of the Company's outstanding stock after the transaction is owned by persons who are not shareholders immediately prior to such transaction, and (ii) the sale or transfer of all or substantially all of the Company's assets. A "qualifying" award is defined as an option or award that has been held for at least 180 days as of the Change of Control. Qualifying Shares means common stock issued pursuant to a "qualifying" award which are subject to the right of Data I/O to repurchase some or all of such shares at the original purchase price (if any) upon the holder's termination of services to Data I/O.

Treatment of Options on a Change in Control	Acceleration of Vesting
The outstanding options do not remain outstanding or are not assumed by the surviving entity or replaced with comparable options.	Subject to certain limitations, the vesting of "qualifying" options or awards are accelerated in full. The option will be exercisable in full prior to the effective date of the Change of Control.
The outstanding options remain outstanding after a Change of Control or are assumed by the surviving entity or replaced with comparable options.	Subject to certain limitations, the vesting of outstanding "qualifying" options and restricted stock awards will be accelerated to the extent of 25% of the unvested portion thereof. The remaining 75% of the unvested portion will vest in accordance with the vesting schedule set forth in the applicable award agreement.
The outstanding options remain outstanding after a Change of Control or are assumed by the surviving entity or replaced with comparable options, but the holder of a "qualifying" award is terminated involuntarily within 180 days of the Change of Control.	All options and other awards held by such person will be accelerated in full. The options are exercisable in full for a period of 90 days commencing on the effective date of the involuntary termination, or if shorter, the remaining term of the option.
There are no "qualifying" options outstanding at the effective time of the Change of Control, but there are Qualifying Shares	The vesting of all Qualifying Shares will be accelerated to the extent of 25% of the unvested portion thereof. The remaining 75% of the unvested portion will vest in accordance with the vesting schedule set forth in the applicable award agreement.

In 1983, Data I/O adopted a SAR Plan which allows the Board of Directors to grant to each director, executive officer or holder of 10% or more of the stock of Data I/O a SAR with respect to certain options granted to these parties. A SAR has been granted in tandem with each option granted to an executive officer of Data I/O. SARs granted which have been held for at least six months are exercisable for a period of 20 days following the occurrence of either of the following events: (i) the close of business on the day that a tender or exchange offer by any person (with certain exceptions) is first published or sent or given if, upon consummation thereof, such person would be the beneficial owner of 30% or more of the shares of Common Stock then outstanding; or (ii) approval by the shareholders of Data I/O (or, if later, approval by the shareholders of a third party) of any merger, consolidation, reorganization or other transaction providing for the conversion or exchange of more than 50% of the outstanding shares of Data I/O's Common Stock into securities of a third party, or cash, or property, or a combination of any of the foregoing.

- **Other Termination Arrangements.** Data I/O has a severance policy for U.S. employees that provides for severance payouts for terminations without cause based upon years of service. The formula is 1 week of pay for each year of service up to 5 years; 1.25 weeks of pay for each year of service for those with 5 to 10 years of service; and 1.5 weeks of pay for each year of service for those with 10 or more years of service. Mr. Hume, Mr. Hatlen and Mr. Bluechel had at March 12, 2012

approximately 13, 20 and 19 years of service, respectively. Because Mr. Hume entered into a Separation Agreement on March 1, 2012, he is no longer eligible for the severance policy. This severance policy is the minimum amount that would be paid out. Data I/O does not have a formal policy regarding executive severance but has generally provided an amount it believes is consistent with severance typically provided for executives in similar positions and with similar periods of service.

On March 1, 2012, Mr. Hume announced his retirement and entered into a Separation Agreement with Data I/O. To help the Company by remaining in his present positions and to assist in the CEO succession search and transition process, the Separation Agreement terms include: a release of claims; Mr. Hume agreeing to a 2 year non-competition and non-solicitation period; termination of his current Executive Agreement for Data I/O Corporation (see Change-in-Control Arrangements) and his rights under the Data I/O severance policy; payments totaling \$350,000, consisting of \$50,000 paid upon signing the Separation Agreement, and contingent upon signing a release after retirement, four quarterly payments of 75,000 to be paid no later than March 15, 2013; and vesting in the 2012 MICP amount, determined as of his retirement date, with pro-rata calculations for time employed in 2012.

Change in Control and Other Termination Arrangements

Name	Termination without cause and Change in Control not applicable	Termination without cause and Change in Control applicable		Change in Control applicable without termination	
	Compensation (3)	Compensation (2)	Option/SAR Vesting	Compensation (4)	Option/SAR Vesting
Frederick R. Hume	\$350,000	\$350,000	86,875	\$0	86,875
Joel S. Hatlen	\$115,385	\$491,998	43,438	\$100,000	43,438
Gordon B. Bluechel	\$87,692	\$137,692	34,297	\$40,000	34,297

- (1) Maximum vesting on Change in Control.
- (2) Represents the Data I/O standard employee severance, additional Executive/Employment Agreement severance, change in control transition/closing incentive, and outplacement expense reimbursement, as applicable as of March 12, 2012. For Mr. Hume the amount is per the Separation Agreement dated March 1, 2012
- (3) Minimum amount per Data I/O standard employee severance plan; no formal Executive Severance Plan is in place as of March 12, 2012. For Mr. Hume the amount is per the Separation Agreement dated March 1, 2012.
- (4) Represents change in control transition/closing incentive as of March 12, 2012.

SUMMARY COMPENSATION TABLE

The following table shows compensation paid by Data I/O for services rendered during 2010 and 2011 to each of our named executive officers.

Name ¹	Year	Salary ²	Bonus ³	Stock Awards	Option Awards ^{4,5}	Non-Equity Incentive Plan Compensation ⁶	Non-Qualified Deferred Compensation Earnings ⁷	All Other Compensation ⁸	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Frederick R. Hume									
Chief Executive	2011	\$345,000	\$0	\$0	\$130,365	\$ 65,531	\$0	\$16,228	\$557,124
Office / President	2010	\$302,500	\$0	\$0	\$ 95,100	\$214,756	\$0	\$16,388	\$628,744
Joel S. Hatlen									
Chief Financial									
Officer / Vice									
President / Secretary	2011	\$195,000	\$0	\$0	\$ 65,183	\$ 29,512	\$0	\$10,576	\$300,271
Treasurer	2010	\$183,725	\$0	\$0	\$ 47,550	\$105,210	\$0	\$ 9,317	\$345,802
Gordon B. Bluechel									
Vice President									
Operations &	2011	\$155,000	\$0	\$0	\$ 52,146	\$ 17,552	\$0	\$ 9,538	\$234,236
Administration	2010	\$143,213	\$0	\$0	\$ 38,040	\$ 61,433	\$0	\$ 7,441	\$250,127

- (1) Data I/O currently has three named executive officers.
- (2) Consideration of pay increases for 2009 pay adjustments was canceled and 2010 pay adjustments were delayed to July 1, 2010. Mr. Hume voluntarily reduced his base pay by \$50,000 per year starting March 2009 and ending June 30, 2010. Pay adjustments for 2011 were made effective July 1, 2011.
- (3) Plan Based Bonuses for prior years previously reported in this column, but now reported in column (g).
- (4) Amount represents fair value of stock options granted during the year.
- (5) All options granted to executive officers are granted in tandem with an equal number of SARs. SARs are only exercisable upon the occurrence of certain events leading to a change in the control of Data I/O. See "Change in Control and Other Termination Arrangements."
- (6) Amounts earned under the MICP variable compensation arrangement in place for the year.
- (7) Not applicable for Data I/O.
- (8) These amounts represent for Mr. Hume, Mr. Hatlen and Mr. Bluechel Data I/O's contributions to Data I/O's 401(k) Plan, and the value of group term life insurance in excess of premiums paid by the executive officer.

OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END

Name	Option Awards					Stock Awards			
	Number of Securities Underlying Unexercised Options Exercisable (#)	Number of Securities Underlying Unexercised Options (#)	Equity Incentive Plan Awards: Number of Securities Underlying Unexercised Options (#)	Option Exercise Price (\$)	Option Expiration Date	Number of Shares or Units of Stock Held That Have Not Vested (#)	Market Value of Shares or Units of Stock That Have Not Vested (\$)	Equity Incentive Plan Awards: Number of Unearned Shares, Units or Rights That Have Not Vested (#)	Equity Incentive Plan Awards: Market or Payout Value of Unearned Shares, Units or Rights That Have Not Vested (\$)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Frederick R. Hume	25,000	0		3.88	5/24/2012		\$0	0	\$0
	35,000	0		3.69	5/17/2013				
	35,000	5,000		5.98	5/19/2014				
	31,250	18,750		3.07	5/14/2015				
	18,750	31,250		4.30	5/11/2016				
	6,250	43,750		6.02	5/17/2017				
Joel S. Hatlen	15,000	0		3.88	5/24/2012		\$0	0	\$0
	15,000	0		3.69	5/17/2013				
	17,500	2,500		5.98	5/19/2014				
	15,625	9,375		3.07	5/14/2015				
	9,375	15,625		4.30	5/11/2016				
	3,125	21,875		6.02	5/17/2017				
Gordon B. Bluechel	5,000	0		3.88	5/24/2012		\$0	0	\$0
	7,500	0		3.69	5/17/2013				
	13,125	1,875		5.98	5/19/2014				
	11,719	7,031		3.07	5/14/2015				
	7,500	12,500		4.30	5/11/2016				
	2,500	17,500		6.02	5/17/2017				

EQUITY COMPENSATION PLAN INFORMATION

The following table gives information about Data I/O's Common Stock that may be issued upon the exercise of options and rights under all of Data I/O's existing equity compensation plans as of December 31, 2011.

	(a) Number of securities to be issued upon the exercise of outstanding options, warrants and rights	(b) Weighted- average exercise price of outstanding options, warrants and rights	(c) Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
Equity compensation plans approved by the security holders (1) (2)	1,068,389	\$4.74	478,828
Equity compensation plans not approved by the security holders	-	-	-
Total	<u>1,068,389</u>	<u>\$4.74</u>	<u>478,838</u>

- (1) Represents shares of Data I/O's Common Stock issuable pursuant to our 2000 Plan, 1992 Employee Stock Purchase Plan, and Director Fee Plan (not currently in use).
- (2) Stock Appreciation Rights ("SAR") Plan provides that directors, executive officers or holders of 10% or more of Data I/O's Common Stock have a SAR with respect to each exercisable option. While the plan has been approved by the security holders, no amounts are included in columns (a), (b) or (c) relating to the SAR.

PROPOSAL 2: AMENDMENT TO 2000 PLAN

At the Annual Meeting, the shareholders of Data I/O will be asked to approve an amendment and restatement of the 2000 Plan, which, if approved, will increase the number of shares of Common Stock that have been made available under the 2000 Plan by an additional 300,000 shares, to an aggregate of 1,978,739 shares, the fair market value of such securities is \$7,717,082 as of March 12, 2012 as well as make certain other modifications to the Plan. As of March 12, 2012, Data I/O has outstanding options and awards with respect to 1,068,389 shares of Common Stock and 248,044 shares of Common Stock available for grants. Approval of the proposed increase will also be deemed a ratification of the terms of the 2000 Plan, as amended.

The Board of Directors believes that the 2000 Plan has contributed to strengthening the incentive of participating employees to achieve the objectives of Data I/O and its shareholders by encouraging employees to acquire a greater proprietary interest in Data I/O. The Board of Directors believes that additional shares must be reserved for use under the 2000 Plan to enable Data I/O to attract and retain key employees through the granting of options under the 2000 Plan. The proposed increase in the number of shares reserved under the 2000 Plan is not required or intended to cover awards previously made under the 2000 Plan. As such, no new plan benefits have been granted to date, and future awards under the 2000 Plan are not yet determinable. Information concerning outstanding awards under the 2000 Plan is available in this proxy statement in the following tables and the narrative accompanying them: Summary Compensation Table, Outstanding Equity Awards at Fiscal Year End and Director Compensation.

This proposal will be approved, if a quorum is present, and if the number of votes cast, in person or by proxy, in favor of the proposal exceeds the number of votes cast against the proposal. **The Board of Directors recommends a vote FOR approval of the proposed amendment and restatement of the 2000 Plan.** Unless instructed otherwise, it is the intention of the persons named in the accompanying form of proxy to vote shares represented by properly executed proxies in favor of the above-referenced amendment to the 2000 Plan.

Description of the 2000 Plan, As Proposed to be Amended and Restated

The following description of the 2000 Plan, as proposed to be amended and restated, is qualified in its entirety by reference to the full text of such Plan, a copy of which is attached to this Proxy Statement as Appendix A. The purpose of the 2000 Plan is to enhance the long-term shareholder value of Data I/O by offering opportunities to employees, persons to whom offers of employment have been extended, directors, officers, consultants, agents, advisors and independent contractors of Data I/O and its subsidiaries to participate in Data I/O's growth and success, and to encourage them to remain in the service of Data I/O and its subsidiaries and to acquire and maintain stock ownership in Data I/O. The 2000 Plan may be administered either by the Board of Directors or a committee or committees appointed by (in either case, the "Committee"), and consisting of two or more independent members of, the Board of Directors. The Committee will have broad discretion to determine the amount and type of awards and terms and conditions of the awards. Individual grants will generally be based on a person's present and potential contribution to Data I/O.

As of March 12, 2012, Data I/O had approximately 100 employees and 5 non-employee directors who would be eligible to participate in the 2000 Plan. Consultants, agents, advisors, and independent contractors can be eligible under the 2000 Plan; however, Data I/O had not previously made grants to this group until February of 2012 when one 5,000 grant was made to Kenneth Myer, who was a consultant at the time, who vested in 2,500 stock options, which remain outstanding, and forfeited 2,500 at the end of his consulting engagement. Because the grant of awards is based upon a determination made by the Committee after a consideration of various factors, Data I/O currently cannot determine the nature and amount of any awards that will be granted in the future to any eligible individual or group of individuals. However, the maximum number of shares that can be granted under the 2000 Plan during any calendar year covered employees (generally the chief executive officer and the three other most highly compensated officers, other than the chief financial officer, whose compensation is required to be disclosed pursuant to the rules and regulations under the Securities Exchange Act of 1934, as amended) is 200,000, except that Data I/O may make additional one-time grants to newly hired participants of up to 100,000 shares per such participant. In addition, the maximum number of shares that can be granted to a non-employee director of Data I/O during any calendar year is limited to 100,000. Data I/O believes that with these limitations and other provisions of the 2000 Plan, options granted under the 2000 Plan will generate "qualified performance-based compensation" within the meaning of Section 162(m) of the Internal Revenue Code and will, therefore, not be subject to the \$1,000,000 cap on deductibility for federal income tax purposes of certain compensation payments in excess of \$1,000,000. See "Certain Federal Income Tax Consequences" below.

Awards may be granted in the form of incentive stock options ("ISOs") within the meaning of Section 422 of the Internal Revenue Code of 1986, as amended (the "Code"), nonqualified stock options ("NQOs") (each ISO or NQO, an "Option" and collectively, "Options"), stock appreciation rights, stock awards in the form of restricted stock ("Restricted Stock"), or other arrangements determined by the Committee. Any award may be granted either alone or in tandem with other awards granted under the 2000 Plan. The option price of ISOs shall be as determined by the Committee, but shall not be less than 100% of the fair market value of the

Common Stock on the grant date. The option price of NQOs may be less than the fair market value of the Common Stock on the date of the grant; however, as a matter of policy Data I/O does not grant options with an exercise price that is less than the fair market value of the shares on the date of grant of the option. The Committee may condition the grant of the award upon the attainment of specified performance goals or other criteria, which need not be the same for all participants. No ISOs may be granted under the 2000 Plan on or after May 17, 2021 (May 10, 2022 if this proposal is approved), but ISOs outstanding under the 2000 Plan may extend beyond that date.

Options. Options granted under the 2000 Plan may be ISOs or NQOs. The exercise price of ISOs may not be less than the fair market value of the shares subject to the ISO on the date of grant. The term of any ISO granted under the 2000 Plan may not exceed ten years. In addition, ISOs are subject to certain other limitations in order to take advantage of the favorable U.S. tax treatment that may be available for ISOs.

Restricted Stock. Restricted Stock awards consist of non-transferable shares of Common Stock of Data I/O which may be subject to a right of purchase by Data I/O although Data I/O has not subjected any such awards to a repurchase right. The Committee may provide for the lapse of the transfer restrictions over a period of time, or may accelerate or waive such restrictions, in whole or in part, based on service, performance or other criteria determined by the Committee.

Stock Appreciation Rights. A stock appreciation right will give the holder the right to receive an appreciation distribution in an amount equal to the excess of the fair market value of the number of shares of Common Stock covered by the right over the exercise price per share subject to the right. Stock appreciation rights may be granted separately or in tandem with a related Option. Payment may be made in a combination of shares of Common Stock or in cash, as determined by the Committee.

The consideration payable upon issuance or exercise of an award and any taxes related to an award must generally be paid in cash or check. However, the Committee, in its sole discretion, may, either at the time the Option is granted or at any time before it is exercised and subject to such limitations as the Committee may determine, authorize payment by the tender of Common Stock already owned by the participant for at least six months having a fair market value on the day prior to the exercise date equal to the aggregate Option exercise price, by net exercise of the Option, by delivery of a promissory note, by delivery of a properly executed exercise notice, together with irrevocable instruction (i) to a third-party designated by Data I/O to deliver to Data I/O the amount of sale or loan proceeds to pay the exercise price and withholding tax obligations and (ii) to Data I/O to deliver the certificates for such shares to the third-party, or by such other consideration as the Committee may permit. In addition, to assist a holder of award (excluding a holder who is an officer or director of Data I/O due to Sarbanes Oxley restrictions) in acquiring shares of Common Stock pursuant to an award granted under the 2000 Plan, the Committee, in its sole discretion, may authorize, either at the grant date or at any time before the acquisition of Common Stock pursuant to the award, the extension of a loan to the holder by Data I/O, the payment by the holder of the purchase price, if any, of the Common Stock in installments, or the guarantee by Data I/O of a loan obtained by the grantee from a third-party. Awards generally may be exercised at any time within three months after termination of a participant's employment by, or consulting relationship with, Data I/O (but, only to the extent exercisable or payable at the time of termination). However, if termination is due to the participant's death or disability, the award generally may be exercised for one year. Except as authorized by the Committee, no award shall be assignable or otherwise transferable by a participant other than by will or by the laws of descent and distribution.

The Committee may adjust the performance goals and measurements applicable to awards. The Committee also may waive in whole or in part any or all restrictions, conditions, vesting or forfeiture with respect to any award granted under the 2000 Plan. The Board of Directors may amend, alter or discontinue the 2000 Plan or any award at any time, except that the consent of a participant is required if the participant's rights under an outstanding award would be impaired. In addition, the shareholders of Data I/O must approve any amendment, alteration or discontinuance of the 2000 Plan that would (i) increase the total number of shares reserved under the 2000 Plan, (ii) with respect to provisions solely as they relate to ISOs, to the extent required for the 2000 Plan to comply with Section 422 of the Code, (iii) to the extent required by other applicable laws, rules or regulations or (iv) to the extent that the Board of Directors otherwise concludes that shareholder approval is advisable.

The 2000 Plan constitutes an unfunded plan for incentive and deferred compensation. Data I/O is not required to create trusts or arrangements to meet its obligations under the 2000 Plan to deliver stock or make payments.

In the event of a "change in control" of Data I/O, as defined in the 2000 Plan, in which the outstanding options do not remain outstanding or are not assumed by the surviving entity or replaced with comparable options, the vesting of outstanding "qualifying" awards under the 2000 Plan will, unless the applicable agreement with respect to the award or the Committee determines otherwise, subject to certain limitations, be accelerated in full. If outstanding options remain outstanding after a change of control or are assumed by the surviving entity or replaced with comparable options, subject to certain limitations, the vesting of outstanding "qualifying" options will be accelerated to the extent of 25% of the unvested portion thereof and the vesting of outstanding Qualifying Shares will be accelerated to the extent of 25% of the unvested portion thereof. Director option grants and certain change in control agreements

provide for 100% vesting of all options on a change in control. Further, if the holder of any “qualifying” award which remains outstanding or is assumed by the surviving entity in a change of control transaction is terminated involuntarily within 180 days of the change of control, the vesting of all options and other awards held by such person will be accelerated in full. A “qualifying” award is defined as an option or award that has been held for at least 180 days as of the change of control. Qualifying Shares means common stock issued pursuant to a “qualifying” award which are subject to the right of Data I/O to repurchase some or all of such shares at the original purchase price (if any) upon the holder’s termination of services to Data I/O. A “change in control” is defined to include (i) a merger or consolidation of Data I/O in which more than 50% of the voting power of Data I/O’s outstanding stock outstanding after the transaction is owned by persons who are not shareholders immediately prior to such transaction, and (ii) the sale or transfer of all or substantially all of Data I/O’s assets.

Certain Federal Income Tax Consequences

THE FOLLOWING SUMMARY OF FEDERAL INCOME TAX CONSEQUENCES IS BASED UPON EXISTING STATUTES, REGULATIONS AND INTERPRETATIONS THEREOF. THE APPLICABLE RULES ARE COMPLEX, AND INCOME TAX CONSEQUENCES MAY VARY DEPENDING UPON THE PARTICULAR CIRCUMSTANCES OF EACH PLAN PARTICIPANT. THIS PROXY STATEMENT DESCRIBES FEDERAL INCOME TAX CONSEQUENCES OF GENERAL APPLICABILITY, BUT DOES NOT PURPORT TO DESCRIBE PARTICULAR CONSEQUENCES TO EACH INDIVIDUAL PLAN PARTICIPANT, OR FOREIGN, STATE OR LOCAL INCOME TAX CONSEQUENCES, WHICH MAY DIFFER FROM THE UNITED STATES FEDERAL INCOME TAX CONSEQUENCES.

Incentive Stock Options

Awards and Exercise of Options. ISOs are intended to constitute “incentive stock options” within the meaning of Section 422 of the Code. ISOs may be granted only to employees of Data I/O (including directors who are also employees). The recipient of an Option (the “Optionee”) does not recognize taxable income upon either the grant or exercise of an ISO. However, the excess of the fair market value of the shares purchased upon exercise over the Option exercise price (the “Option Spread”) is includable in the Optionee’s “alternative minimum taxable income “ (“AMTI”) for purposes of the alternative minimum tax (“AMT”). The Option Spread is generally measured on the date of exercise and is includable in AMTI in the year of exercise. Special rules regarding the time of AMTI inclusion may apply for shares subject to a “substantial risk of forfeiture” (including, in the case of each person subject to the reporting requirements of Section 16(b) of the Exchange Act). In addition, when stock is acquired subject to a “substantial risk of forfeiture”, an Optionee’s holding period for purposes of determining whether any capital gain or loss on sale is long-term will generally not begin until the restriction lapses or the Optionee files an election under Section 83(b) of the Code (a “Section 83(b) Election”).

Sale of Option Shares. If an Optionee holds the shares purchased under an ISO for at least two years from the date the ISO was granted and for at least one year from the date such shares were transferred to the Optionee, any gain from a sale of the shares other than to Data I/O should be taxable as capital gain. Under these circumstances, Data I/O would not be entitled to a tax deduction at the time the ISO was exercised or at the time the stock was sold. If an Optionee were to dispose of stock acquired pursuant to an ISO before the end of the required holding periods (a “Disqualifying Disposition”), the amount by which the market value of the stock at the time the ISO was exercised exceeded the exercise price (or, if less, the amount of gain realized on the sale) would be taxable as ordinary income, and Data I/O would be entitled to a corresponding tax deduction. Such income is subject to information reporting requirements. Gain from a Disqualifying Disposition in excess of the amount required to be recognized as ordinary income is capital gain. Optionees are required to notify Data I/O promptly after making a Disqualifying Disposition. If the stock is sold to Data I/O rather than to a third party, the sale may not produce capital gain or loss. A sale of shares to Data I/O will constitute a redemption of such shares, which could be taxable as a dividend unless the redemption is “not essentially equivalent to a dividend” within the meaning of the Code.

Exercise With Stock. If an Optionee pays for ISO shares with shares of Data I/O acquired under an ISO or a qualified employee stock purchase plan (“Statutory Option Stock”), the tender of shares is a Disqualifying Disposition of the Statutory Option Stock if the above described (or other applicable) holding periods respecting those shares have not been satisfied. If the holding periods with respect to the Statutory Option Stock are satisfied, or the shares were not acquired under a statutory stock option of Data I/O, then any appreciation in value of the surrendered shares is not taxable upon surrender. Special basis and holding period rules apply where previously-owned stock is used to exercise an ISO.

Nonqualified Stock Options

Awards and Exercise of Options. An Optionee is not taxable upon the award of an NQO. Federal income tax consequences upon exercise will depend upon whether the shares thereby acquired are subject to a “substantial risk of forfeiture”. If the shares are not subject to a “substantial risk of forfeiture”, or if they are so restricted and the Optionee files a Section 83(b) Election with respect to the shares, the Optionee will have ordinary income at the time of exercise measured by the Option Spread on the exercise date. The Optionee’s tax basis in the shares will be their fair market value on the date of exercise, and the holding period for purposes of determining whether capital gain or loss upon sale is long- or short-term also will begin on that date. If the shares are subject to a “substantial risk of forfeiture” and no Section 83(b) Election is filed, the Optionee will not be taxable upon exercise, but instead will have ordinary income on the date the stock is no longer subject to a “substantial risk of forfeiture”, in an amount equal to the difference between the amount paid for the shares under the Option and their fair market value as of the date of lapse; in addition, the Optionee’s holding period will begin on the date of lapse.

Whether or not the shares are subject to a “substantial risk of forfeiture”, the amount of ordinary income taxable to an Optionee who was an employee at the time of grant constitutes “supplemental wages” subject to a withholding of income and employment taxes by Data I/O, and Data I/O receives a corresponding income tax deduction.

Sale of Option Shares. Upon sale, other than to Data I/O, of shares acquired under a NQO, an Optionee generally will recognize capital gain or loss to the extent of the difference between the sale price and the Optionee’s tax basis in the shares, which will be long-term gain or loss if the employee’s holding period in the shares is more than one year. If the stock is sold to Data I/O rather than to a third party, the sale may not produce capital gain or loss. A sale of shares to Data I/O will constitute a redemption of such shares, which could be taxable as a dividend unless the redemption is “not essentially equivalent to a dividend” within the meaning of the Code.

Exercise With Stock. If the Optionee pays the option exercise price by tendering other shares of Common Stock of the Company then owned by the Optionee, the Optionee will recognize ordinary income in an amount equal to the fair market value of the number of shares received upon exercise of the option, which exceed the number of shares tendered by the Optionee.

If the surrendered shares are Statutory Option Stock as described above under “Incentive Stock Options”, with respect to which the applicable holding period requirements for favorable income tax treatment have not expired, then the newly acquired shares substituted for the Statutory Option Shares should remain subject to the federal income tax rules governing the surrendered shares, but the surrender should not constitute a Disqualifying Disposition of the surrendered stock.

Net Exercise. If a NQO is exercised through a net exercise, Data I/O will not require payment of the exercise price of the NQO but will reduce the number of shares issued upon exercise by the largest number of whole shares that have a Fair Market Value that does not exceed the aggregate exercise price. With respect to any remaining balance of the aggregate exercise price, Data I/O will accept a cash payment from the Optionee. The Optionee will recognize ordinary income in an amount equal to the excess of the aggregate fair market value of the shares that otherwise would be issued upon exercise of the NQO over the aggregate exercise price of the NQO being exercised. The Optionee’s tax basis in the shares received is their fair market value at the time of exercise.

Restricted Stock Awards

Grant and Lapse of Restrictions. Section 83(b) election of the Internal Revenue Code allows a the holder of a restricted stock award to elect, within 30 days after the date he receives a restricted stock award, to recognize and be taxed on ordinary income equal to the fair market value of the common stock at that time. If the holder does not make a Section 83(b) election within 30 days from the date he receives a restricted stock award, the holder will recognize ordinary income equal to the fair market value of the common stock at expiration of the restriction period. The holder’s basis in the shares will equal their fair market value at the time the holder recognizes ordinary income. The holder will be taxed at ordinary income rates on cash dividends paid before the end of the restriction period. Subject to the general rules concerning deductibility of compensation, Data I/O will be allowed an income tax deduction in the amount that, and for our taxable year in which, the holder recognizes ordinary income in connection with a restricted stock award. Dividends on the restricted stock that are received by the holder before the end of the restriction period also will be deductible by Data I/O subject to the general rules concerning compensation.

Forfeiture of Restricted Stock. If the holder does not make the Section 83(b) election described above and, before the restriction period expires, he forfeits the restricted stock under the terms of the award, the holder will not recognize any ordinary income in connection with the restricted stock award. If the holder does make a Section 83(b) election and subsequently forfeits the restricted stock under the terms of the award, the holder will not be allowed an ordinary income tax deduction with respect to the forfeiture. However, the holder may be entitled to a capital loss.

Sale of Shares. The holder cannot sell or otherwise dispose of the restricted stock until after the restriction period expires. When shares are sold after the restriction period expires, the holder will recognize gain or loss in an amount by which the sale price of the shares differs from his tax basis in the shares. If, as usually is the case, the shares are a capital asset in the hands of the holder, any gain or loss recognized on a sale or other disposition of the shares will qualify as capital gain or loss. Any capital gain or loss recognized upon sale of the shares will be treated as long-term capital gain or loss if the holder held the shares for more than 12 months from the date he recognized ordinary income with respect to the shares and as short-term capital gain or loss if he held the stock for 12 months or less from the date the holder recognized ordinary income.

Stock Appreciation Rights

Grant. At the time a SAR is granted, the recipient will not recognize any taxable income.

Exercise. At the time the holder exercises a SAR, he will recognize ordinary income equal to the cash received, or fair market value of any shares of common stock received, at that time (in the amount that is equal to the excess of the fair market value of a share of our common stock on the date the SAR is exercised over the grant price of the SAR). The holder's tax basis in any shares received will equal the fair market value of those shares at the time he recognizes ordinary income as a result of exercising the SAR. Subject to the general rules concerning deductibility of compensation, Data I/O will be allowed an income tax deduction in the amount that, and for our taxable year in which, the holder recognizes ordinary income upon the exercise of a SAR.

Sale of Shares. If, as usually is the case, shares received upon exercise of a SAR (if any) are a capital asset in the hands of the holder, any additional gain or loss recognized on a subsequent sale or exchange of the shares will not be ordinary income but will qualify as a capital gain or loss. Any capital gain or loss recognized upon sale of the shares will be characterized as long-term capital gain or loss if the holder held the shares for more than 12 months and as short-term capital gain or loss if the holder held the stock for 12 months or less. For purposes of determining whether the gain will be recognize long-term or short-term capital gain or loss on the subsequent sale of the shares, the holding period will begin at the time the SAR was exercised.

Change in Control

Depending on the terms of an award and the determination of the Committee, upon a change in control of Data I/O, restrictions on awards may lapse, or the award may mature or become exercisable, on an accelerated schedule. If this type of benefit, or other benefits and payments connected with an award that result from a change in control of Data I/O, are granted to certain individuals (such as our executive officers), the benefits and payments may be deemed to be "parachute payments" within the meaning of Section 280G of the Internal Revenue Code. Section 280G provides that if parachute payments to an individual equal or exceed three times the individual's "base amount," the excess of the parachute payments over one times the base amount (1) will not be deductible by Data I/O and (2) will be subject to a 20% excise tax payable by the individual. "Base amount" is the individual's average annual compensation over the five taxable years preceding the taxable year in which the change in control occurs.

Deductibility of Executive Compensation Under Code Section 162(m)

Section 162(m) of the Code generally limits to \$1,000,000 the amount that a publicly-held corporation is allowed each year to deduct for the compensation paid to each of the corporation's chief executive officer and the corporation's three other most highly compensated executive officers (other than the chief financial officer) whose compensation is required to be disclosed under rules and regulations under the Securities Exchange Act of 1934. However, "qualified performance-based compensation" is not subject to the \$1,000,000 deduction limit. In general, to qualify as performance-based compensation, the following requirements need to be satisfied: (1) payments must be computed on the basis of an objective, performance-based compensation standard determined by a committee consisting solely of two or more "outside directors," (2) the material terms under which the compensation is to be paid, including the business criteria upon which the performance goals are based, and a limit on the maximum bonus amount which may be paid to any participant pursuant with respect to any performance period, must be approved by a majority of the corporation's shareholders and (3) the committee must certify that the applicable performance goals were satisfied before payment of any performance-based compensation. Stock options and SARs issued with an exercise price that is not less than the fair market value of the stock at the date of grant will performance based compensation for purposes of Section 162(m) if the shareholder approved plan contains certain required limitations and the plan and awards have been administered in accordance with requirements under Code Section 162(m).

PROPOSAL 3: RATIFICATION OF THE CONTINUED APPOINTMENT OF AUDITORS

The Board of Directors requests that the shareholders ratify the continued appointment of Grant Thornton LLP to serve as Data I/O's independent auditors for calendar year 2012. Grant Thornton LLP examined the consolidated financial statements of Data I/O for the year ended December 31, 2011. Representatives of Grant Thornton LLP are expected to be present at the Annual Meeting to make a statement if they desire to do so and to respond to questions by shareholders.

OTHER BUSINESS

As of the date of this Proxy Statement, Data I/O is not aware of any other business to be acted upon at the Annual Meeting. If any other business calling for a vote of the shareholders is properly presented at the meeting, the holders of the proxies will vote or refrain from voting in accordance with their best judgment.

SHAREHOLDER NOMINATIONS AND PROPOSALS FOR THE 2013 ANNUAL MEETING OF SHAREHOLDERS

Data I/O's Bylaws provide that advance notice of nominations for the election of directors at a meeting of shareholders must be delivered to or mailed and received by Data I/O on or before February 9, 2013 in the case of an annual meeting of shareholders, and in the case of a special meeting of shareholders to elect directors, the close of business on the 10th day following the date on which notice of such meeting is first given to shareholders. The Bylaws also provide that advance notice of proposals or director nominees to be brought before an Annual Meeting by a shareholder must be submitted in writing and delivered to or mailed and received by Data I/O not later than 90 days prior to the date one year from the date immediately preceding the Annual Meeting of Shareholders.

Each notice of a nomination or proposal of business must contain, among other things: (i) the name and address of the shareholder who intends to make the nomination or proposal; (ii) a representation that the shareholder is a holder of record of stock of Data I/O entitled to vote at such meeting and intends to appear in person or by proxy at the meeting to nominate the person or persons specified in the notice or to vote at the meeting for the proposal; (iii) a description of all arrangements or understandings between the shareholder and each nominee and any other person or persons (naming such person or persons) pursuant to which the nomination or nominations are to be made by the shareholder and any material interest of such shareholder in any proposal to be submitted to the meeting; (iv) such other information regarding each nominee or proposal as would be required to be included in a proxy statement filed pursuant to the proxy rules of the SEC; and (v) with respect to the nominations, the consent of each nominee to serve as a director of Data I/O if elected.

A copy of the full text of the provisions of Data I/O's Bylaws dealing with shareholder nominations and proposals is available to shareholders from the Secretary of Data I/O upon written request. The Bylaws may also be accessed online, as a Form 10K exhibit as referenced in our Annual Report on Form 10K. SEC rules establish a deadline for submission of shareholder proposals that are not intended to be included in Data I/O's proxy statement with respect to discretionary voting (the "Discretionary Vote Deadline"). The Discretionary Vote Deadline for the 2013 Annual Meeting is February 9, 2013. If a shareholder gives notice of such a proposal after the Discretionary Vote Deadline, Data I/O's proxy holders will be allowed to use their discretionary voting authority to vote against the shareholder proposal when and if the proposal is raised at the 2012 Annual Meeting.

Eligible shareholders who intend to have a proposal considered for inclusion in Data I/O's proxy materials for presentation at the 2013 Annual Meeting must submit the proposal to Data I/O no later than December 14, 2012. Shareholders who intend to present a proposal at the 2013 Annual Meeting without inclusion of such proposal in Data I/O's proxy materials are required to provide notice of such proposal to Data I/O no later than February 9, 2013.

To qualify as an "eligible" shareholder, a shareholder must have been a record or beneficial owner of at least one percent (1%) of Data I/O's outstanding Common Stock, or shares of Common Stock having a market value of at least \$2,000, for a period of at least one (1) year prior to submitting the proposal, and the shareholder must continue to hold the shares through the date on which the meeting is held.

Data I/O reserves the right to reject, rule out of order, or take appropriate action with respect to any proposal that does not comply with these and other applicable requirements, but only after Data I/O has notified the shareholder(s) who have submitted the proposal of the problem and such shareholder(s) have failed to correct it. This obligation to notify the appropriate shareholder(s) does not apply to the failure to submit such proposal prior to the deadlines discussed above.

STOCKHOLDERS SHARING THE SAME ADDRESS

To reduce the expenses of delivering duplicate materials, we are taking advantage of the SEC's "householding" rules which permit us to deliver only one set of proxy materials (or one Notice of Internet Availability of Proxy Materials) to shareholders who share an address unless otherwise requested. If you share an address with another shareholder and have received only one set of these materials, you may request a separate copy at no cost to you by contacting Investor Relations by email at investorrelations@dataio.com, by phone at (425) 881-6444, by fax at (425) 881-2917 or by writing to Data I/O investor relations, attention Joel Hatlen, 6464 185th Avenue NE, Suite 101, Redmond WA 98052. For future annual meetings, you may request separate materials, or request that we send only one set of materials to you if you are receiving multiple copies, by contacting Investor Relations as noted above.

SOLICITATION OF PROXIES

The proxy accompanying this Proxy Statement is solicited by the Board of Directors. Proxies may be solicited by officers, directors and regular supervisory and executive employees of Data I/O, none of whom will receive any additional compensation for their services. In addition, Data I/O may engage an outside proxy solicitation firm to render proxy solicitation services and, if so, will pay a fee for such services. Solicitations of proxies may be made personally, or by mail, telephone, telegraph or messenger. Data I/O will pay persons holding shares of Common Stock in their names or in the names of nominees, but not owning such shares beneficially, such as brokerage houses, banks and other fiduciaries, for the expense of forwarding soliciting materials to their principals. All costs of solicitation of proxies will be paid by Data I/O.

Copies of our annual report on Form 10-K for the year ended December 31, 2011 are being mailed with this Proxy Statement to each shareholder of record. If you did not receive a copy of our annual report Form 10-K, you may obtain a copy (without exhibits) without charge by writing or calling c/o Secretary, 6464 185th Avenue NE, Suite 101, Redmond, WA 98052 (425) 881-6444. Copies of the exhibits to our annual report Form 10-K are available for a nominal fee or may be viewed at <http://www.dataio.com/company/investorrelations/annualmeeting.aspx> or www.sec.gov in the EDGAR filing of our report.

By Order of the Board of Directors

/s/ Frederick R. Hume
Frederick R. Hume
President and Chief Executive Officer

Redmond, Washington
March 31, 2012

**DATA I/O CORPORATION
2000 STOCK COMPENSATION INCENTIVE PLAN**

1. PURPOSES

1.1 The purpose of the Data I/O Corporation 2000 Stock Compensation Incentive Plan, as amended and restated, (the “Plan”) is to enhance the long-term shareholder value of Data I/O Corporation, a Washington corporation (the “Company”), by offering opportunities to employees, persons to whom offers of employment have been extended, directors, officers, consultants, agents, advisors and independent contractors of Data I/O and its Subsidiaries (as defined in Section 2) to participate in Data I/O's growth and success, and to encourage them to remain in the service of Data I/O and its Subsidiaries and to acquire and maintain stock ownership in Data I/O.

2. DEFINITIONS

For purposes of the Plan, the following terms shall be defined as set forth below:

2.1 Acquired Entities.

“Acquired Entities” has the meaning given in Section 6.2.

2.2 Acquisition Transaction.

“Acquisition Transaction” has the meaning given in Section 6.2.

2.3 Award.

“Award” means a grant made to a Participant pursuant to the Plan, including, without limitation, grants of Options, Stock Appreciation Rights, Stock Awards, Other Stock-Based Awards or any combination of the foregoing.

2.4 Board.

“Board” means the Board of Directors of Data I/O.

2.5 Cause.

“Cause” means dishonesty, fraud, misconduct, disclosure of confidential information, conviction of, or a plea of guilty or no contest to, a felony under the laws of the United States or any state thereof, habitual absence from work for reasons other than illness, intentional conduct which causes significant injury to Data I/O, habitual abuse of alcohol or a controlled substance, in each case as determined by the Plan Administrator, and its determination shall be conclusive and binding.

2.6 Change in Control.

“Change in Control” means (i) the consummation of a merger or consolidation of Data I/O with or into another entity or any other corporate reorganization, if more than 50% of the combined voting power of the continuing or surviving entity's securities outstanding immediately after such merger, consolidation or other reorganization is owned by persons who were not shareholders of Data I/O immediately prior to such merger, consolidation or other reorganization or (ii) the sale, transfer or other disposition of all or substantially all of Data I/O's assets. A transaction shall not constitute a Change in Control if its sole purpose is to change the state of Data I/O's incorporation or to create a holding company that will be owned in substantially the same proportions by the persons who held Data I/O's securities immediately before such transaction.

2.7 Code.

“Code” means the Internal Revenue Code of 1986, as amended from time to time.

2.8 Common Stock.

“Common Stock” means the common stock, no par value, of Data I/O.

2.9 Disability.

“Disability” means a medically determinable mental or physical impairment or condition of the Holder which is expected to result in death or which has lasted or is expected to last for a continuous period of twelve (12) months or more and which causes the Holder to be unable, in the opinion of the Plan Administrator on the basis of evidence acceptable to it, to perform his or her duties for Data I/O and, in the case of a determination of Disability for purposes of determining the exercise period for an Incentive Stock Option, to be engaged in any substantial gainful activity. Upon making a determination of Disability, the Plan Administrator shall, for purposes of the Plan, determine the date of the Holder’s termination of employment, service or contractual relationship.

2.10 Exchange Act.

“Exchange Act” means the Securities Exchange Act of 1934, as amended.

2.11 Fair Market Value.

“Fair Market Value” shall be as established in good faith by the Plan Administrator or (a) if the Common Stock is listed on the NASDAQ Capital Market, the mean between the high and low selling prices for the Common Stock as reported by the NASDAQ Capital Market for a single trading day or (b) if the Common Stock is listed on the New York Stock Exchange or the American Stock Exchange, the mean between the high and low selling prices for the Common Stock as such prices are officially quoted in the composite tape of transactions on such exchange for a single trading day. If there is no such reported price for the Common Stock for the date in question, then such price on the last preceding date for which such price exists shall be determinative of Fair Market Value.

2.12 Grant Date.

“Grant Date” means the date the Plan Administrator adopted the granting resolution or a later date designated in a resolution of the Plan Administrator as the date an Award is to be granted.

2.13 Holder.

“Holder” means the Participant to whom an Award is granted or the personal representative of a Holder who has died.

2.14 Incentive Stock Option.

“Incentive Stock Option” means an Option to purchase Common Stock granted under Section 7 with the intention that it qualify as an “incentive stock option” as that term is defined in Section 422 of the Code.

2.15 Involuntary Termination.

“Involuntary Termination” means termination of the Holder’s service to Data I/O (or the parent or subsidiary company employing such Holder) or the other party to the transaction constituting a Change in Control by reason of (i) the involuntary discharge of such Holder by Data I/O (or the parent or subsidiary company employing such Holder) or the other party to the transaction constituting a Change in Control for reasons other than Cause or (ii) the voluntary resignation of the Holder following (A) a change in such Holder’s position with Data I/O (or its successor or the parent or subsidiary company that employs such Holder) or the other party to the transaction constituting a Change in Control that materially reduces such Holder’s level of authority or responsibility or (B) a reduction in such Holder’s compensation (including base salary, fringe benefits and participation in bonus or incentive programs based on corporate performance) by more than 20%.

2.16 Nonqualified Stock Option.

“Nonqualified Stock Option” means an Option to purchase Common Stock granted under Section 7 other than an Incentive Stock Option.

2.17 Option.

“Option” means the right to purchase Common Stock granted under Section 7.

2.18 Option Shares.

“Option Shares” means the shares of Common Stock issuable upon a Holder’s exercise of an Option granted under the Plan.

2.19 Other Stock-Based Award.

“Other Stock-Based Award” means an Award granted under Section 11.

2.20 Participant.

“Participant” means an individual who is a Holder of an Award or, as the context may require, any employee, director (including directors who are not employees), officer, consultant, agent, advisor or independent contractor of Data I/O or a Subsidiary who has been designated by the Plan Administrator as eligible to participate in the Plan.

2.21 Plan Administrator.

“Plan Administrator” means the Board or any committee designated to administer the Plan under Section 3.1.

2.22 Qualifying Award.

“Qualifying Award” means an Option or an Award that is held by a person who had been an employee, director, consultant or agent to Data I/O for at least 180 days as of the effective date of a Change in Control.

2.23 Qualifying Shares.

“Qualifying Shares” means shares of Common Stock issued pursuant to a Qualifying Award which are subject to the right of Data I/O to repurchase some or all of such shares at the original purchase price (if any) upon termination of the Holder’s services to Data I/O.

2.24 Restricted Stock.

“Restricted Stock” means shares of Common Stock granted pursuant to a Stock Award under Section 10, the rights of ownership of which are subject to restrictions prescribed by the Plan Administrator.

2.25 Securities Act.

“Securities Act” means the Securities Act of 1933, as amended.

2.26 Stock Appreciation Right.

“Stock Appreciation Right” means an Award granted under Section 9.

2.27 Stock Award.

“Stock Award” means an Award granted under Section 10.

2.28 Subsidiary.

“Subsidiary,” except as expressly provided otherwise, means any entity that is directly or indirectly controlled by Data I/O or in which Data I/O has a significant ownership interest, as determined by the Plan Administrator, and any entity that may become a direct or indirect parent of Data I/O.

2.29 Unvested Portion.

“Unvested Portion” means the portion of a Qualifying Award or Qualifying Shares that is/are unvested as of the effective date of a Change in Control.

2.30 Vested Portion.

“Vested Portion” means the portion of a Qualifying Award or Qualifying Shares that is/are vested as of the effective date of a Change in Control.

3. ADMINISTRATION

3.1 Plan Administrator.

The Plan shall be administered by the Board or a committee or committees (which term includes subcommittees) appointed by, and consisting of two or more members of, the Board. Any such committee shall have the powers and authority vested in the Board hereunder (including the power and authority to interpret any provision of the Plan or of any Award). The Board, or any committee thereof appointed to administer the Plan, is referred to herein as the “Plan Administrator.” If and so long as the Common Stock is registered under Section 12(b) or 12(g) of the Exchange Act, the Board shall consider in selecting the Plan Administrator and the membership of any committee acting as Plan Administrator for any persons subject or likely to become subject to Section 16 under the Exchange Act the provisions regarding (a) “outside directors” as contemplated by Section 162(m) of the Code and (b) “Non-Employee Directors” as contemplated by Rule 16b-3 under the Exchange Act. The Board or Plan Administrator may delegate the responsibility for administering the Plan with respect to designated classes of eligible Participants to one or more senior executive officers or committees thereof, the members of which need not be members of the Board, subject to such limitations as the Board deems appropriate. Committee members shall serve for such term as the Board may determine, subject to removal by the Board at any time.

3.2 Administration and Interpretation by the Plan Administrator.

Except for the terms, conditions and limitations explicitly set forth in the Plan, the Plan Administrator shall have exclusive authority, in its absolute discretion, to determine all matters relating to Awards under the Plan, including the selection of individuals to be granted Awards, the type of Awards, the number of shares of Common Stock subject to an Award, all terms, conditions, restrictions and limitations, if any, of an Award and the terms of any instrument that evidences the Award. The Plan Administrator shall also have exclusive authority to interpret the Plan and may from time to time adopt, change and rescind rules and regulations of general application for the Plan's administration. This authority shall include the sole authority to correct any defect, supply any omission or reconcile any inconsistency in this Plan and make all other determinations necessary or advisable for the administration of the Plan and do everything necessary or appropriate to administer the Plan. The Plan Administrator's interpretation of the Plan and its rules and regulations, and all actions taken and determinations made by the Plan Administrator pursuant to the Plan, shall be conclusive and binding on all parties involved or affected. The Plan Administrator may delegate administrative duties to such of Data I/O's officers as it so determines.

4. STOCK SUBJECT TO THE PLAN

4.1 Authorized Number of Shares.

As of March 10, 2000, Data I/O had outstanding options with respect to 1,215,000 shares of Common Stock and 270,499 shares of Common Stock available for additional grants under the 2000 Plan and the Data I/O 1986 Employee Stock Option Plan (“1986 Plan”). Subject to adjustment from time to time as provided in Section 14.1, Awards of the authorized but unissued shares of Common Stock under the 1986 Plan, or shares of Common Stock that become available under the 1986 Plan as a result of the expiration or termination of options, may be granted under this Plan. Awards for an additional 300,000 shares of Common Stock shall also be available for issuance under the Plan. Shares issued under the Plan shall be drawn from authorized and unissued shares. See also Section 18 for Plan amendments.

4.2 Limitations.

(a) Subject to adjustment from time to time as provided in Section 14.1, not more than 200,000 shares of Common Stock may be made subject to Awards under the Plan to any individual Participant in the aggregate in any one (1) calendar year, except that Data I/O may make additional one-time grants to newly hired Participants of up to 100,000 shares per such Participant; such limitation shall be applied in a manner consistent with the requirements of, and only to the extent required for compliance with, the exclusion from the limitation on deductibility of compensation under Section 162(m) of the Code.

(b) Subject to adjustment from time to time as provided in Section 14.1, not more than 100,000 shares of Common Stock may be made subject to Awards to any non-employee director in the aggregate in any one calendar year.

4.3 Reuse of Shares.

Any shares of Common Stock that have been made subject to an Award that cease to be subject to the Award (other than by reason of exercise or payment of the Award to the extent it is exercised for or settled in shares) and any shares repurchased by Data I/O from a Holder upon exercise of a right of repurchase shall again be available for issuance in connection with future grants of Awards under the Plan; provided, however, that any such shares shall be counted in accordance with the requirements of Section 162(m) of the Code if and to the extent applicable. Shares that are subject to tandem Awards shall be counted only once. Also, upon a stock-for-stock exercise only the net number of shares will be deemed to have been used under this Plan.

5. ELIGIBILITY

Awards may be granted under the Plan to those officers, directors and key employees of Data I/O and its Subsidiaries as the Plan Administrator from time to time selects. Awards may also be made to consultants, agents, advisors and independent contractors who provide services to Data I/O and its Subsidiaries.

6. AWARDS

6.1 Form and Grant of Awards.

The Plan Administrator shall have the authority, in its sole discretion, to determine the type or types of Awards to be made under the Plan. Such Awards may include, but are not limited to, Incentive Stock Options, Nonqualified Stock Options, Stock Appreciation Rights, Stock Awards and Other Stock-Based Awards. Awards may be granted singly, in combination or in tandem so that the settlement or payment of one automatically reduces or cancels the other. Awards may also be made in combination or in tandem with, in replacement of, as alternatives to, or as the payment form for, grants or rights under any other employee or compensation plan of Data I/O.

6.2 Acquired Company Awards.

Notwithstanding anything in the Plan to the contrary, the Plan Administrator may grant Awards under the Plan in substitution for awards issued under other plans, or assume under the Plan awards issued under other plans, if the other plans are or were plans of other acquired entities ("Acquired Entities") (or the parent of the Acquired Entity) and the new Award is substituted, or the old Award is assumed, by reason of a merger, consolidation, acquisition of property or of stock, reorganization or liquidation (an "Acquisition Transaction"). If a written agreement pursuant to which an Acquisition Transaction is completed is approved by the Board and said agreement sets forth the terms and conditions of the substitution for or assumption of outstanding awards of the Acquired Entity, said terms and conditions shall be deemed to be the action of the Plan Administrator without any further action by the Plan Administrator, except as may be required for compliance with Rule 16b-3 under the Exchange Act, and the persons holding such Awards shall be deemed to be Participants and Holders.

7. AWARDS OF OPTIONS

7.1 Grant of Options.

The Plan Administrator is authorized under the Plan, in its sole discretion, to issue Options as Incentive Stock Options or as Nonqualified Stock Options, which shall be appropriately designated.

7.2 Option Exercise Price.

The exercise price for shares purchased under an Option shall be as determined by the Plan Administrator, but shall not be less than 100% of the Fair Market Value of the Common Stock on the Grant Date with respect to Incentive Stock Options.

7.3 Term of Options.

The term of each Option shall be as established by the Plan Administrator or, if not so established, shall be six (6) years from the Grant Date.

7.4 Exercise of Options.

The Plan Administrator shall establish and set forth in each instrument that evidences an Option the time at which or the installments in which the Option shall become exercisable, which provisions may be waived or modified by the Plan Administrator at any time. If not so established in the instrument evidencing the Option or otherwise set at the time of grant, the Option will be subject to the following: (a) 25% of the Option shall vest and become exercisable on each anniversary of the Grant Date such that the Option shall be fully vested on the fourth anniversary of the Grant Date; (b) in no event shall any additional Option Shares vest after termination of Holder's employment by or service to Data I/O; and (c) the Plan Administrator may waive or modify the foregoing schedule at any time.

To the extent that the right to purchase shares has accrued there under, an Option may be exercised from time to time by written notice to Data I/O, in accordance with procedures established by the Plan Administrator, setting forth the number of shares with respect to which the Option is being exercised and accompanied by payment in full as described in Section 7.5. An Option may not be exercised as to less than 100 shares at any one time (or the lesser number of remaining shares covered by the Option).

7.5 Payment of Exercise Price.

The exercise price for shares purchased under an Option shall be paid in full to Data I/O by delivery of consideration equal to the product of the Option exercise price and the number of shares purchased. Such consideration must be paid in cash or check (unless, at the time of exercise, the Plan Administrator determines not to accept a personal check), except that the Plan Administrator, in its sole discretion, may, either at the time the Option is granted or at any time before it is exercised and subject to such limitations as the Plan Administrator may determine, authorize payment in cash and/or one or more of the following alternative forms: (a) tendering (either actually or, if and so long as the Common Stock is registered under Section 12(b) or 12(g) of the Exchange Act, by attestation) Common Stock already owned by the Holder for at least six months (or any shorter period necessary to avoid a charge to Data I/O's earnings for financial reporting purposes) having a Fair Market Value on the day prior to the exercise date equal to the aggregate Option exercise price; (b) a promissory note delivered pursuant to Section 12; (c) if and so long as the Common Stock is registered under Section 12(b) or 12(g) of the Exchange Act, delivery of a properly executed exercise notice, together with irrevocable instructions, to (i) a third party designated by Data I/O to deliver promptly to Data I/O the aggregate amount of sale or loan proceeds to pay the Option exercise price and any withholding tax obligations that may arise in connection with the exercise and (ii) Data I/O to deliver the certificates for such purchased shares directly to such third party, all in accordance with the regulations of the Federal Reserve Board; (d) the net exercise of the Option as defined below; or (e) such other consideration as the Plan Administrator may permit.

In the case of a "net exercise" of an Option, the Company will not require a payment of the exercise price of the Option from the Holder but will reduce the number of shares of Common Stock issued upon the exercise by the largest number of whole shares that have a Fair Market Value that does not exceed the aggregate exercise price. With respect to any remaining balance of the aggregate exercise price, the Company will accept a cash payment from the Participant.

The number of shares of Common Stock underlying an Option will decrease following the exercise of such Option to the extent of (i) shares used to pay the exercise price of an Option under the "net exercise" feature, (ii) shares actually delivered to the Holder as a result of such exercise, and (iii) shares withheld for purposes of tax withholding.

7.6 Post-Termination Exercises.

The Plan Administrator may establish and set forth in each instrument that evidences an Option whether the Option will continue to be exercisable, and the terms and conditions of such exercise, if a Holder ceases to be employed by, or to provide services to, Data I/O or its Subsidiaries, which provisions may be waived or modified by the Plan Administrator at any time.

If not so established in the instrument evidencing the Option, the Option will be exercisable according to the following terms and conditions, which may be waived or modified by the Plan Administrator at any time.

In case of termination of the Holder's employment or services other than by reason of death or Cause, the Option shall be exercisable, to the extent of the number of shares purchasable by the Holder at the date of such termination, only (a) within one (1) year if the termination of the Holder's employment or services are coincident with Disability or (b) within three (3) months after the date the Holder ceases to be an employee, director, officer, consultant, agent, advisor or independent contractor of Data I/O or a Subsidiary if termination of the Holder's employment or services is for any reason other than death or Disability, but in no event later than the remaining term of the Option. Any Option exercisable at the time of the Holder's death may be exercised, to the extent of the number of shares purchasable by the Holder at the date of the Holder's death, by the personal representative of the Holder's estate

entitled thereto at any time or from time to time within one (1) year after the date of death, but in no event later than the remaining term of the Option. In case of termination of the Holder's employment or services for Cause, the Option shall automatically terminate upon first discovery by Data I/O of any reason for such termination and the Holder shall have no right to purchase any Shares pursuant to such Option, unless the Plan Administrator determines otherwise. If a Holder's employment or services with Data I/O are suspended pending an investigation of whether the Holder shall be terminated for Cause, all the Holder's rights under any Option likewise shall be suspended during the period of investigation.

A transfer of employment or services between or among Data I/O and its Subsidiaries shall not be considered a termination of employment or services. The effect of a Company-approved leave of absence or short-term break in service on the terms and conditions of an Option shall be determined by the Plan Administrator, in its sole discretion.

8. INCENTIVE STOCK OPTION LIMITATIONS

To the extent required by Section 422 of the Code, Incentive Stock Options shall be subject to the following additional terms and conditions:

8.1 Dollar Limitation.

To the extent the aggregate Fair Market Value (determined as of the Grant Date) of Common Stock with respect to which Incentive Stock Options are exercisable for the first time during any calendar year (under the Plan and all other stock option plans of Data I/O) exceeds \$100,000, such portion in excess of \$100,000 shall be treated as a Nonqualified Stock Option. In the event the Participant holds two (2) or more such Options that become exercisable for the first time in the same calendar year, such limitation shall be applied on the basis of the order in which such Options were granted.

8.2 10% Shareholders.

If a Participant owns more than 10% of the total voting power of all classes of Data I/O's stock, then the exercise price per share of an Incentive Stock Option shall not be less than 110% of the Fair Market Value of the Common Stock on the Grant Date and the Option term shall not exceed five (5) years. The determination of 10% ownership shall be made in accordance with Section 422 of the Code.

8.3 Eligible Employees.

Individuals who are not employees of Data I/O or one of its parent corporations or subsidiary corporations may not be granted Incentive Stock Options. For purposes of this Section 8.3, "parent corporation" and "subsidiary corporation" shall have the meanings attributed to those terms for purposes of Section 422 of the Code.

8.4 Term.

The term of an Incentive Stock Option shall not exceed ten (10) years.

8.5 Exercisability.

To qualify for Incentive Stock Option tax treatment, an Option designated as an Incentive Stock Option must be exercised within three (3) months after termination of employment for reasons other than death, except that, in the case of termination of employment due to total Disability, such Option must be exercised within one (1) year after such termination. Employment shall not be deemed to continue beyond the first 90 days of a leave of absence unless the Participant's reemployment rights are guaranteed by statute or contract.

8.6 Taxation of Incentive Stock Options.

In order to obtain certain tax benefits afforded to Incentive Stock Options under Section 422 of the Code, the Participant must hold the shares issued upon the exercise of an Incentive Stock Option for two (2) years after the Grant Date of the Incentive Stock Option and one (1) year from the date the shares are transferred to the Participant. A Participant may be subject to the alternative minimum tax at the time of exercise of an Incentive Stock Option. The Participant shall give Data I/O prompt notice of any disposition of shares acquired by the exercise of an Incentive Stock Option prior to the expiration of such holding periods.

8.7 Promissory Notes.

The amount of any promissory note delivered pursuant to Section 12 in connection with an Incentive Stock Option shall bear interest at a rate specified by the Plan Administrator but in no case less than the rate required to avoid imputation of interest (taking into account any exceptions to the imputed interest rules) for federal income tax purposes.

8.8 Incorporation of Other Provisions.

With respect to Incentive Stock Options, if this Plan does not contain any provision required to be included herein under Section 422 of the Code, such provision shall be deemed to be incorporated herein with the same force and effect as if such provision had been set out in full herein; provided, however, that to the extent any Option that is intended to qualify as an Incentive Stock Option cannot so qualify, the Option, to that extent, shall be deemed to be a Nonqualified Stock Option for all purposes of this Plan.

9. STOCK APPRECIATION RIGHTS

9.1 Grant of Stock Appreciation Rights.

The Plan Administrator may grant a Stock Appreciation Right separately or in tandem with a related Option.

9.2 Tandem Stock Appreciation Rights.

A Stock Appreciation Right granted in tandem with a related Option will give the Holder the right to surrender to Data I/O all or a portion of the related Option and to receive an appreciation distribution (in shares of Common Stock or cash or any combination of shares and cash, as the Plan Administrator, in its sole discretion, shall determine at any time) in an amount equal to the excess of the Fair Market Value for the date the Stock Appreciation Right is exercised over the exercise price per share of the right, which shall be the same as the exercise price of the related Option. A tandem Stock Appreciation Right will have the same other terms and provisions as the related Option. Upon and to the extent a tandem Stock Appreciation Right is exercised, the related Option will terminate.

9.3 Stand-Alone Stock Appreciation Rights.

A Stock Appreciation Right granted separately and not in tandem with an Option will give the Holder the right to receive an appreciation distribution in an amount equal to the excess of the Fair Market Value for the date the Stock Appreciation Right is exercised over the exercise price per share of the right. A stand-alone Stock Appreciation Right will have such terms as the Plan Administrator may determine, except that the term of the right, if not otherwise established by the Plan Administrator, shall be ten (10) years from the Grant Date.

9.4 Exercise of Stock Appreciation Rights.

Unless otherwise provided by the Plan Administrator in the instrument that evidences the Stock Appreciation Right, the provisions of Section 7.6 relating to the termination of a Holder's employment or services shall apply equally, to the extent applicable, to the Holder of a Stock Appreciation Right.

10. STOCK AWARDS

10.1 Grant of Stock Awards.

The Plan Administrator is authorized to make Awards of Common Stock or of rights to receive shares of Common Stock to Participants on such terms and conditions and subject to such restrictions, if any (which may be based on continuous service with Data I/O or the achievement of performance goals related to (i) sales, gross margin, operating profits or profits, (ii) growth in sales, gross margin, operating profits or profits, (iii) return ratios related to sales, gross margin, operating profits or profits, (iv) cash flow, (v) asset management (including inventory management), or (vi) total shareholder return, where such goals may be stated in absolute terms or relative to comparison companies), as the Plan Administrator shall determine, in its sole discretion, which terms, conditions and restrictions shall be set forth in the instrument evidencing the Award. The terms, conditions and restrictions that the Plan Administrator shall have the power to determine shall include, without limitation, the manner in which shares subject to Stock Awards are held during the periods they are subject to restrictions and the circumstances under which forfeiture of Restricted Stock shall occur by reason of termination of the Holder's services or upon the occurrence of other events.

10.2 Issuance of Shares.

Upon the satisfaction of any terms, conditions and restrictions prescribed with respect to a Stock Award, or upon the Holder's release from any terms, conditions and restrictions of a Stock Award, as determined by the Plan Administrator, Data I/O shall transfer, as soon as practicable, to the Holder or, in the case of the Holder's death, to the personal representative of the Holder's estate or as the appropriate court directs, the appropriate number of shares of Common Stock covered by the Award.

10.3 Waiver of Restrictions.

Notwithstanding any other provisions of the Plan, the Plan Administrator may, in its sole discretion, waive the forfeiture period and any other terms, conditions or restrictions on any Restricted Stock under such circumstances and subject to such terms and conditions as the Plan Administrator shall deem appropriate.

11. OTHER STOCK-BASED AWARDS

The Plan Administrator may grant other Awards under the Plan pursuant to which shares of Common Stock (which may, but need not, be shares of Restricted Stock pursuant to Section 10) are or may in the future be acquired, or Awards denominated in stock units, including ones valued using measures other than market value. Such Other Stock-Based Awards may be granted alone or in addition to or in tandem with any Award of any type granted under the Plan and must be consistent with the Plan's purpose.

12. LOANS, INSTALLMENT PAYMENTS AND LOAN GUARANTEES

To assist a Holder (excluding a Holder who is an officer or director of Data I/O) in acquiring shares of Common Stock pursuant to an Award granted under the Plan, the Plan Administrator, in its sole discretion, may authorize, either at the Grant Date or at any time before the acquisition of Common Stock pursuant to the Award, (a) the extension of a loan to the Holder by Data I/O, (b) the payment by the Holder of the purchase price, if any, of the Common Stock in installments, or (c) the guarantee by Data I/O of a loan obtained by the grantee from a third party. The terms of any loans, installment payments or loan guarantees, including the interest rate and terms of and security for repayment, will be subject to the Plan Administrator's discretion; provided, however, that repayment of any Company loan to the Holder shall be secured by delivery of a full-recourse promissory note for the loan amount executed by the Holder, together with any other form of security determined by the Plan Administrator. The maximum credit available is the purchase price, if any, of the Common Stock acquired, plus the maximum federal and state income and employment tax liability that may be incurred in connection with the acquisition.

13. ASSIGNABILITY

Except as otherwise specified or approved by the Plan Administrator at the time of grant of an Award or any time prior to its exercise, no Award granted under the Plan may be assigned, pledged or transferred by the Holder other than by will or by the laws of descent and distribution, and during the Holder's lifetime, such Awards may be exercised only by the Holder. Notwithstanding the foregoing, and to the extent permitted by Section 422 of the Code, the Plan Administrator, in its sole discretion, may permit such assignment, transfer and exercise ability and may permit a Holder of such Awards to designate a beneficiary who may exercise the Award or receive compensation under the Award after the Holder's death; provided, however, that (i) any Award so assigned or transferred shall be subject to all the same terms and conditions contained in the instrument evidencing the Award, (ii) the original Holder shall remain subject to withholding taxes upon exercise, (iii) any subsequent transfer of an Award shall be prohibited and (iv) the events of termination of employment or contractual relationship set forth in subsection 7.6 shall continue to apply with respect to the original transferor-Holder.

14. ADJUSTMENTS

14.1 Adjustment of Shares.

In the event that, at any time or from time to time, a stock dividend, stock split, spin-off, combination or exchange of shares, recapitalization, merger, consolidation, distribution to shareholders other than a normal cash dividend, or other change in Data I/O's corporate or capital structure results in (a) the outstanding shares, or any securities exchanged therefor or received in their place, being exchanged for a different number or class of securities of Data I/O or of any other corporation or (b) new, different or additional securities of Data I/O or of any other corporation being received by the holders of shares of Common Stock of Data I/O, then the Plan Administrator, in its sole discretion, shall make such equitable adjustments as it shall deem appropriate in the circumstances in (i) the maximum number and class of securities subject to the Plan as set forth in Section 4.1, (ii) the maximum number and class of

securities that may be made subject to Awards to any individual Participant as set forth in Section 4.2, and (iii) the number and class of securities that are subject to any outstanding Award and the per share price of such securities, without any change in the aggregate price to be paid therefor. The determination by the Plan Administrator as to the terms of any of the foregoing adjustments shall be conclusive and binding.

14.2 Dissolution, Liquidation or Change in Control Transactions.

(a) In the event of the proposed dissolution or liquidation of Data I/O, Data I/O shall notify each Holder at least fifteen (15) days prior to such proposed action. To the extent not previously exercised, all Awards will terminate immediately prior to the consummation of such proposed action.

(b) Unless the applicable agreement representing an Option provides otherwise, or unless the Plan Administrator determines otherwise in its sole and absolute discretion in connection with any Change in Control, a Qualifying Option which is not exercisable in full shall become exercisable in connection with a Change in Control which becomes effective before the Holder's service to Data I/O terminates as follows:

(i) If the Qualifying Option remains outstanding following the Change in Control, is assumed by the surviving entity or its parent, or the surviving entity or its parent substitutes options with substantially the same terms for such Qualifying Option, the vesting and exercise ability of the Qualifying Option shall be accelerated to the extent of 25% of the Unvested Portion thereof, and the remaining 75% of the Unvested Portion of such Qualifying Option shall vest in accordance with the vesting schedule set forth in the applicable Option agreement.

(ii) If the Qualifying Option remains outstanding following the Change in Control, is assumed by the surviving entity or its parent, or the surviving entity or its parent substitutes options with substantially the same terms for such Qualifying Option and if the Holder thereof is subject to an Involuntary Termination within 180 days following such Change in Control, then all Options held by such Holder (or options issued in substitution thereof) shall become exercisable in full, whether or not the vesting requirements set forth in the Option agreement have been satisfied, for a period of 90 days commencing on the effective date of such Holder's Involuntary Termination, or if shorter, the remaining term of the option.

(iii) If a Qualifying Option does not remain outstanding, and either such Qualifying Option is not assumed by the surviving entity or its parent, or the surviving entity or its parent does not substitute options with substantially the same terms for such Qualifying Option, such Qualifying Option shall become exercisable in full, whether or not the vesting requirements set forth in the Option agreement have been satisfied, for a period prior to the effective date of such Change in Control of a duration specified by the Plan Administrator, and thereafter the Option shall terminate.

(c) Unless the applicable agreement representing an Award provides otherwise, or unless the Plan Administrator determines otherwise in its sole and absolute discretion in connection with any Change in Control, the vesting of Qualifying Shares shall be accelerated, and Data I/O's repurchase right with respect to such shares shall lapse, in connection with a Change in Control which becomes effective before such Holder's service to Data I/O terminates as follows:

(i) If Qualifying Options were outstanding at the effective time of the Change in Control and they are partially accelerated pursuant to Subsection (b)(i) above or if there were no Qualifying Options outstanding at the effective time of the Change in Control, the vesting of all Qualifying Shares shall be accelerated to the extent of 25% of the Unvested Portion thereof, and the remaining 75% of the Unvested Portion of such Qualifying Shares shall vest in accordance with the vesting schedule set forth in the applicable Award agreement.

(ii) If the preceding clause (i) applied and if a Holder of Qualifying Shares is subject to an Involuntary Termination within 180 days following the same Change in Control, then all Qualifying Shares held by such Holder (or shares issued in substitution thereof) shall become vested in full, whether or not the vesting requirements set forth in the applicable Award agreement have been satisfied.

(iii) If Qualifying Options were outstanding at the effective time of the Change in Control and they are accelerated in full pursuant to Subsection (b)(iii) above or otherwise, the vesting of all Qualifying Shares shall be accelerated in full, and Data I/O's repurchase right with respect to all such shares shall lapse in full, whether or not the vesting requirements set forth in the applicable Award agreement have been satisfied.

14.3 Further Adjustment of Awards.

Subject to the preceding Section 14.2, the Plan Administrator shall have the discretion, exercisable at any time before a sale, merger, consolidation, reorganization, dissolution, liquidation or Change in Control of Data I/O, as defined by the Plan Administrator, to take such further action as it determines to be necessary or advisable, and fair and equitable to Participants, with respect to Awards. Such authorized action may include (but shall not be limited to) establishing, amending or waiving the type, terms, conditions or duration of, or restrictions on, Awards so as to provide for earlier, later, extended or additional time for exercise, payment or settlement or lifting restrictions, differing methods for calculating payments or settlements, alternate forms and amounts of payments and settlements and other modifications, and the Plan Administrator may take such actions with respect to all Participants, to certain categories of Participants or only to individual Participants. The Plan Administrator may take such actions before or after granting Awards to which the action relates and before or after any public announcement with respect to such sale, merger, consolidation, reorganization, dissolution, liquidation or Change in Control that is the reason for such action. Without limiting the generality of the foregoing, if Data I/O is a party to a merger or consolidation, outstanding Awards shall be subject to the agreement of merger or consolidation. Such agreement, without the Holder's consent, may provide for:

- (a) the continuation of such outstanding Award by Data I/O (if Data I/O is the surviving corporation);
- (b) the assumption of the Plan and some or all outstanding Awards by the surviving corporation or its parent;
- (c) the substitution by the surviving corporation or its parent of Awards with substantially the same terms for such outstanding Awards; or
- (d) the cancellation of such outstanding Awards with or without payment of any consideration.

14.4 Limitations.

The grant of Awards will in no way affect Data I/O's right to adjust, reclassify, reorganize or otherwise change its capital or business structure or to merge, consolidate, dissolve, liquidate or sell or transfer all or any part of its business or assets.

14.5 Fractional Shares.

In the event of any adjustment in the number of shares covered by any Option, any fractional shares resulting from such adjustment shall be disregarded and each such Option shall cover only the number of full shares resulting from such adjustment.

15. WITHHOLDING

Data I/O may require the Holder to pay to Data I/O in cash the amount of any withholding taxes that Data I/O is required to withhold with respect to the grant, exercise, payment or settlement of any Award. Data I/O shall have the right to withhold from any Award or any shares of Common Stock issuable pursuant to an Award or from any cash amounts otherwise due or to become due from Data I/O to the Participant an amount equal to such taxes. Data I/O may also deduct from any Award any other amounts due from the Participant to Data I/O or a Subsidiary.

16. AMENDMENT AND TERMINATION OF PLAN

16.1 Amendment of Plan.

The Plan may be amended by the Board in such respects as it shall deem advisable including, without limitation, such modifications or amendments as are necessary to maintain compliance with applicable statutes, rules or regulations; however, to the extent required for compliance with Section 422 of the Code or any applicable law or regulation, shareholder approval will be required for any amendment that will increase the aggregate number of shares as to which Incentive Stock Options may be granted or change the class of persons eligible to participate. Amendments made to the Plan which would constitute "modifications" to Incentive Stock Options outstanding on the date of such Amendments shall not be applicable to such outstanding Incentive Stock Options but shall have prospective effect only. The Board may condition the effectiveness of any amendment on the receipt of shareholder approval at such time and in such manner as the Board may consider necessary for Data I/O to comply with or to avail Data I/O, the Holders or both of the benefits of any securities, tax, market listing or other administrative or regulatory requirement which the Board determines to be desirable. Whenever shareholder approval is sought, and unless required otherwise by applicable law or exchange requirements, the

proposed action shall require the affirmative vote of holders of a majority of the shares present, entitled to vote and voting on the matter without including abstentions or broker non-votes in the denominator.

16.2 Termination Of Plan.

Data I/O's shareholders or the Board may suspend or terminate the Plan at any time. The Plan will have no fixed expiration date; provided, however, that no Incentive Stock Options may be granted more than ten (10) years after the earlier of the Plan's adoption by the Board or approval by the shareholders.

17. GENERAL

17.1 Award Agreements.

Awards granted under the Plan shall be evidenced by a written agreement which shall contain such terms, conditions, limitations and restrictions as the Plan Administrator shall deem advisable and which are not inconsistent with the Plan.

17.2 Continued Employment or Services; Rights In Awards.

None of the Plan, participation in the Plan as a Participant or any action of the Plan Administrator taken under the Plan shall be construed as giving any Participant or employee of Data I/O any right to be retained in the employ of Data I/O or limit Data I/O's right to terminate the employment or services of the Participant.

17.3 Registration; Certificates For Shares.

Data I/O shall be under no obligation to any Participant to register for offering or resale or to qualify for exemption under the Securities Act, or to register or qualify under state securities laws, any shares of Common Stock, security or interest in a security paid or issued under, or created by, the Plan, or to continue in effect any such registrations or qualifications if made. Data I/O may issue certificates for shares with such legends and subject to such restrictions on transfer and stop-transfer instructions as counsel for Data I/O deems necessary or desirable for compliance by Data I/O with federal and state securities laws.

Inability of Data I/O to obtain, from any regulatory body having jurisdiction, the authority deemed by Data I/O's counsel to be necessary for the lawful issuance and sale of any shares hereunder or the unavailability of an exemption from registration for the issuance and sale of any shares hereunder shall relieve Data I/O of any liability in respect of the nonissuance or sale of such shares as to which such requisite authority shall not have been obtained.

17.4 No Rights As A Shareholder.

No Option, Stock Appreciation Right or Other Stock-Based Award shall entitle the Holder to any cash dividend, voting or other right of a shareholder unless and until the date of issuance under the Plan of the shares that are the subject of such Award, free of all applicable restrictions.

17.5 Compliance With Laws And Regulations.

In interpreting and applying the provisions of the Plan, any Option granted as an Incentive Stock Option pursuant to the Plan shall, to the extent permitted by law, be construed as an "incentive stock option" within the meaning of Section 422 of the Code.

17.6 No Trust Or Fund.

The Plan is intended to constitute an "unfunded" plan. Nothing contained herein shall require Data I/O to segregate any monies or other property, or shares of Common Stock, or to create any trusts, or to make any special deposits for any immediate or deferred amounts payable to any Participant, and no Participant shall have any rights that are greater than those of a general unsecured creditor of Data I/O.

17.7 Severability.

If any provision of the Plan or any Award is determined to be invalid, illegal or unenforceable in any jurisdiction, or as to any person, or would disqualify the Plan or any Award under any law deemed applicable by the Plan Administrator, such provision shall be construed or deemed amended to conform to applicable laws, or, if it cannot be so construed or deemed amended without, in the

Plan Administrator's determination, materially altering the intent of the Plan or the Award, such provision shall be stricken as to such jurisdiction, person or Award, and the remainder of the Plan and any such Award shall remain in full force and effect.

18. EFFECTIVE DATE

The Plan's effective date is the date on which it is adopted by the Board, so long as it is approved by Data I/O's shareholders at any time within twelve (12) months of such adoption.

Original Plan adopted by the Board on February 28, 2000 and approved by Data I/O's shareholders in May 2000. The Plan was amended and approved by the Board and Data I/O's shareholders in: 2002 to add an additional 200,000, 2004 to add an additional 300,000, 2006 to add an additional 300,000 shares, 2009 to add an additional 300,000 shares, and in 2011 to add an additional 300,000 shares of Common Stock to be reserved for issuance under the Plan. The Plan was amended and approved by the Board in 2012 to add an additional 300,000 shares of Common Stock to be reserved for issuance under the Plan.

Board of Directors

Paul A. Gary (1998)
Retired Vice President
Netcom IC Unit
ATT Microelectronics
(Semiconductors)

Frederick R. Hume (1999)*
President/CEO

Steven M. Quist (2001)*
Principal
Blackmore Peak Partners
(Consulting Firm)

William R. Walker (2003)*
Retired Chief Financial Officer,
Vice President, Secretary
Hi/fn, Inc.
(Semiconductors)

Douglas W. Brown (2011)*
President/CEO
All Star Directories, Inc.
(Software)

Kenneth B. Myer (2012)*
Interim President & CEO
Yapta
(Software)

*The calendar year in () indicates when
the individuals became directors of
Data I/O.*

**Standing for re-election*

Corporate Officers

Frederick R. Hume
President/CEO

Joel S. Hatlen
Vice President
Chief Financial Officer
Secretary/Treasurer

Gordon Bluechel
Vice President
Operations & Administration

Corporate Offices:

Data I/O Corporation
6464 185th Ave NE
Suite 101
Redmond, WA 98052

Sales and Service Offices:

China
Data I/O China Limited
Unit 2401A, 24/F #201
Park-in Commercial Centre,
56 Dundas Street, Mongkok
Kowloon, Hong Kong

Data I/O Electronics (Shanghai)
Co. Ltd
27F Majesty Building
138 Pudong Avenue
Shanghai, China PRC 200120

Germany
Data I/O GmbH
Lochhamer Schlag 5
82166 Graefelfing

Legal Counsel:

Dorsey & Whitney LLP
US Bank Centre
1420 5th Avenue, Suite 3400
Seattle, WA 98101

Auditors:

Grant Thornton LLP
520 Pike Street
Seattle, WA 98101-2310

Investor Relations:

Shareholders of Data I/O Corporation who would like information about the Company are invited to contact Joel Hatlen, Vice President and Chief Financial Officer, 6464 185th Ave NE, Suite 101, Redmond, WA 98052 by letter, by phone (425) 881-6444 or by email at investorrelations@dataio.com.

Form 10-K:

To obtain a copy of the Company's Annual Report on Form 10-K, filed with the Securities and Exchange Commission, go to our website at <http://www.dataio.com/corporate/filings.asp> or contact Joel Hatlen, Vice President and Chief Financial Officer, 6464 185th Ave NE, Suite 101, Redmond, WA 98052.

Shareholders Meeting:

The 2012 Annual Meeting of Shareholders will be held on Tuesday, May 10, 2012 at 2:00 p.m. Pacific Standard Time at the Company's headquarters:

Data I/O Corporation
6464 185th Ave NE, Suite 101
Redmond, Washington 98052

Shareholder Information:

Shareholders needing information relating to their shareholdings in Data I/O should contact the Company's Transfer Agent and Registrar at the mailing address, telephone number or Web address below.

Transfer Agent and Registrar:

Computershare Shareowner Services
528 Pike Street, #1220
Seattle, WA 98104
(888) 540-9882
www.bnymellon.com

Exchange Listing:

Stock Symbol: DAIO
NASDAQ



6464 185th Ave NE
Suite 101
Redmond, WA 98052

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For 40 years, Data I/O® Corporation's (NASDAQ: DAIO) expertise is in delivering intellectual property to programmable devices offering complete, integrated manufacturing solution in wireless, automotive, programming center, semiconductor, and industrial control market segments for OEM, ODM, EMS and semiconductor companies. Data I/O provides hardware and software solutions for turn-key programming and device testing services, as well as in-system (on-board), in-line (right before use at the SMT line), or in-socket (off-line) programming with special manufacturing options such as serialization, traceability, version control, statistical data logging, co-planarity test, and bad block management. These solutions are scalable for small, medium and large volume applications with different device mixes. For further information on Data I/O, please visit www.dataio.com or call 800-426-1045.