

# SECURITIES AND EXCHANGE COMMISSION

## FORM 4

Statement of changes in beneficial ownership of securities

Filing Date: **2007-12-10** | Period of Report: **2007-12-06**

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### REPORTING OWNER

#### Grahame Alan

CIK: **1418363**

Type: **4** | Act: **34** | File No.: **000-31523** | Film No.: **071296882**

#### Mailing Address

*C/O IXIA  
26601 WEST AGOURA ROAD  
CALABASAS CA 91302*

#### Business Address

*818-871-1800*

### ISSUER

#### IXIA

CIK: **1120295** | IRS No.: **954635982** | State of Incorporation: **CA** | Fiscal Year End: **1231**

SIC: **3825** Instruments for meas & testing of electricity & elec signals

#### Mailing Address

*26601 W. AGOURA RD  
CALABASAS CA 91302*

#### Business Address

*26601 W AGOURA RD  
CALABASAS CA 91302  
8188711800*

# FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### OMB APPROVAL

OMB Number: 3235-0287  
Expires: 02/28/2011  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person <b>Grahame Alan</b>			2. Issuer Name and Ticker or Trading Symbol <b>IXIA [XXIA]</b>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <b>Sr. VP, Worldwide Sales</b>	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>12/06/2007</b>		6. Individual or Joint/Group Filing (Check applicable line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person	
C/O IXIA, 26601 WEST AGOURA ROAD			4. If Amendment, Date Original Filed(Month/Day/Year)			
(Street) <b>CALABASAS, CA 91302</b>						
(City)	(State)	(Zip)				

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)			
Common Stock							0	D	

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option (right to buy)	\$10.3	12/06/2007		A		130,000		(1)	12/31/2015 (2)	Common Stock	130,000	\$ 0	130,000	D	

**Explanation of Responses:**

- Option to purchase 130,000 shares vests and becomes exercisable as to 32,500 shares on 12/06/08 and as to the remaining 97,500 shares in twelve equal quarterly installments commencing 3/31/09. Option is exercisable as to each installment of vested shares for a period of four years following the vesting date.
- Expiration date shown is the expiration date of the last installment scheduled to vest.

**Signatures**

Alan Grahame

12/10/2007

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.**