

# SECURITIES AND EXCHANGE COMMISSION

## FORM 4

Statement of changes in beneficial ownership of securities

Filing Date: **2006-03-02** | Period of Report: **2006-03-01**  
SEC Accession No. **0001179110-06-005327**

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### REPORTING OWNER

#### ARGIRO VINCENT J

CIK: **924558**

Type: **4** | Act: **34** | File No.: **000-22229** | Film No.: **06660369**

Mailing Address

1617 W FRANKLIN AVE  
MINNEAPOLIS MN 55405-3105

Business Address

612 374 5932

### ISSUER

#### VITAL IMAGES INC

CIK: **912888** | IRS No.: **421321776** | State of Incorporation: **MN** | Fiscal Year End: **1231**  
SIC: **7372** Prepackaged software

Mailing Address

3300 FERNBROOK LANE N  
#200  
PLYMOUTH MN 55447-5341

Business Address

3300 FERNBROOK LANE N  
#200  
PLYMOUTH MN 55447-5341  
7638524100

# FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### OMB APPROVAL

OMB Number: 3235-0287  
 Expires: 02/28/2011  
 Estimated average burden  
 hours per response 0.5

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>ARGIRO VINCENT J</b>			2. Issuer Name and Ticker or Trading Symbol <b>VITAL IMAGES INC [VTAL]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <b>CTO</b>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>03/01/2006</b>					
5850 OPUS PARKWAY, SUITE 300			4. If Amendment, Date Original Filed(Month/Day/Year)			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		
(Street)								
MINNETONKA, MN 55343								
(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)	Price			
Common stock	03/01/2006		M		2,500	A	\$7.25	291,163 <sup>(1)</sup>	D	
Common stock	03/01/2006		S		2,500	D	\$33.6	288,663 <sup>(1)</sup>	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)	\$7.25	03/01/2006		M			2,500	<sup>(2)</sup>	03/12/2010	Common stock	2,500	\$ 0	12,521 <sup>(3)</sup>	D	

**Explanation of Responses:**

1. Mr. Argiro disclaims beneficial ownership of an additional 109,550 Vital Images, Inc. shares owned by his spouse.

2. Original grant of 23,000 on 3/12/02 vested as to 28% on 3/12/03 and 2% per month thereafter.
3. In addition, Mr. Argiro has other options outstanding of 14,553 at various prices and expiration dates.

### Signatures

/s/ Vincent Argiro

\*\* Signature of Reporting Person

03/02/2006

Date

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.**