AUBREY KEN Form 4 March 10, 2010

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

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(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * **AUBREY KEN**

2. Issuer Name and Ticker or Trading

5. Relationship of Reporting Person(s) to Issuer

Symbol

IMAGE SENSING SYSTEMS INC

(Check all applicable)

[isns]

(Last) (First) 3. Date of Earliest Transaction

Director 10% Owner X_ Officer (give title

(Month/Day/Year)

03/08/2010

Other (specify

1600 UNIVERSITY AVE W #500

President & CEO

4. If Amendment, Date Original

Applicable Line)

Filed(Month/Day/Year)

(Instr. 8)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

below)

ST PAUL, MN 55104

(City) (State) (Zip)

(Street)

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

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Middle)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I)

Following Reported

(Instr. 4)

Ownership (Instr. 4)

(A) Code V Amount (D) Price

(Instr. 3, 4 and 5)

Transaction(s) (Instr. 3 and 4)

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

1. Title of Derivative Security

2. Conversion or Exercise

3. Transaction Date 3A. Deemed

(Month/Day/Year) Execution Date, if any

4. 5. Number of Transaction Derivative Code Securities

6. Date Exercisable and Expiration Date (Month/Day/Year)

7. Title and An Underlying Sec (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8	or Dispose (D)	(Instr. 3, 4,			
				Code '	/ (A)	(D)	Date Exercisable	Expiration Date	Title
Non-incentive stock options	\$ 12.75	03/08/2010		A	22,500		03/08/2011(1)	03/08/2016	Common stock
Incentive stock options	\$ 12.75	03/08/2010		A	7,500		03/08/2014	03/08/2016	Common stock

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

AUBREY KEN

1600 UNIVERSITY AVE W #500 President & CEO

ST PAUL, MN 55104

Signatures

/s/ Joanne Ritter, Attorney in Fact for Ken
Aubrey

03/10/2010

**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) Exercisable at one third at each of the first, second and third anniversary dates.
- (2) 68,285 non-incentive stock options and 42,215 incentive stock options.
- (3) 68,285 non-incentive stock options and 49,715 incentive stock options.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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