

COHERENT INC  
Form 8-K  
January 31, 2007

## SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### FORM 8-K

#### CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (date of earliest event reported): **January 31, 2007**

### COHERENT, INC.

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction of  
incorporation)

**000-05255**  
(Commission File No.)

**94-1622541**  
(IRS Employer Identification  
Number)

**5100 Patrick Henry Drive**  
**Santa Clara, CA 95054**

(Address of principal executive offices)

**(408) 764-4000**

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**ITEM 2.02 Results of Operations and Financial Condition**

On January 31, 2007, Coherent issued a press release regarding its selected financial results for the fiscal quarter ended December 30, 2006. A copy of the press release is furnished as Exhibit 99.1 to this report.

**ITEM 9.01. Financial Statements and Exhibits**

(d) Exhibits.

**Exhibit**

<b>No.</b>	<b>Description</b>
99.1	Press release of Coherent issued on January 31, 2007

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: January 31, 2007

COHERENT, INC.

By: /s/ Bret M. DiMarco  
Bret M. DiMarco  
Executive Vice President and  
General Counsel

**EXHIBITS**

Exhibit	No.	Description
	99.1	Press release of Coherent issued on January 31, 2007

4

---