

TERAYON COMMUNICATION SYSTEMS

Form 8-K

December 22, 2004

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**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: December 14, 2004

(Date of earliest event reported)

TERAYON COMMUNICATION SYSTEMS, INC.

(Exact name of Registrant as specified in its charter)

Delaware

000-24647

77-0328533

(State or other jurisdiction
of incorporation)

(Commission
file number)

(I.R.S. employer
identification no.)

4988 Great America Parkway, Santa Clara, CA 95054

(Address of principal executive offices and zip code)

Registrant's telephone number, including area code:

(408) 235-5500

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 (*see* General Instruction A.2. below):

- 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))
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ITEM 7.01. Regulation FD Disclosure.

ITEM 9.01 Financial Statements and Exhibits.

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EXHIBIT 99.1

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ITEM 7.01. Regulation FD Disclosure.

On December 14, 2004, Terayon Communication Systems, Inc. issued a press release announced that it has added significant new capabilities to its flagship Terayon DM 6400 Network CherryPicker digital video processing platform that enable cable television and other network operators to accelerate their transition to all-digital, next-generation networks and to deliver new digital video applications. The press release is attached as Exhibit 99.1.

ITEM 9.01 Financial Statements and Exhibits.

(c) Exhibits.

Exhibit 99.1 Terayon Accelerates Transition to the All-Digital Network With New Capabilities in its Network
CherryPicker Digital Video Platform

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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 thereunto duly authorized.

Terayon Communication Systems, Inc.

By: /s/ Edward Lopez
Edward Lopez
Senior Vice President, General Counsel
and Human Resources

Date: December 22, 2004

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CherryPicker Digital Video Platform