



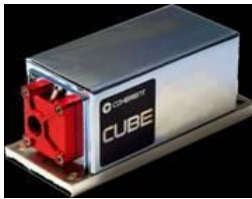
# Coherent

Superior reliability & performance

## New CUBE Diode Laser Module



## New CUBE Diode Laser Module Offers 100 mW at 660 nm



Santa Clara, California, November 7, 2008

The new CUBE<sup>®</sup> 660-100 laser from Coherent, Inc., (Santa Clara, CA) (Nasdaq: COHR) delivers 100 mW of CW output at 660 nm, making it the highest output power red diode laser module available from the company to date. CUBE lasers are based on a high power, single emitter diode laser, and integrate collimating and beam shaping optics, drive and control electronics, and TEC temperature stabilization to yield a turnkey, CDRH compliant module for both OEM and laboratory use. This new CUBE laser is primarily intended for bio-imaging applications, where its higher power will enable improved signal to noise ratio or higher throughput.

The CUBE 660-100 offers the same performance and convenience features as its predecessors. These include built-in capabilities for analog modulation with a bandwidth of 350 kHz, and digital modulation with a bandwidth of 150 MHz. The CUBE 660-100 also features high quality output, with a TEM<sub>00</sub> beam ( $M^2 < 1.5$ ) and low noise (<0.2% rms from 20 Hz to 10 MHz). System integration of the CUBE laser is facilitated with USB, RS-232 and analog signal I/O covering all status aspects of laser operation, including interlock, laser enabled, service output, and internal power meter. Furthermore, the compact, conductively cooled CUBE laser measures only 100 x 40 x 40 mm (3.9 x 1.6 x 1.6 in.).

Founded in 1966, Coherent, Inc. is a world leader in providing laser-based solutions to the commercial and scientific research markets. For more information about Coherent, including product and financial updates, visit our Website at [www.Coherent.com](http://www.Coherent.com).

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