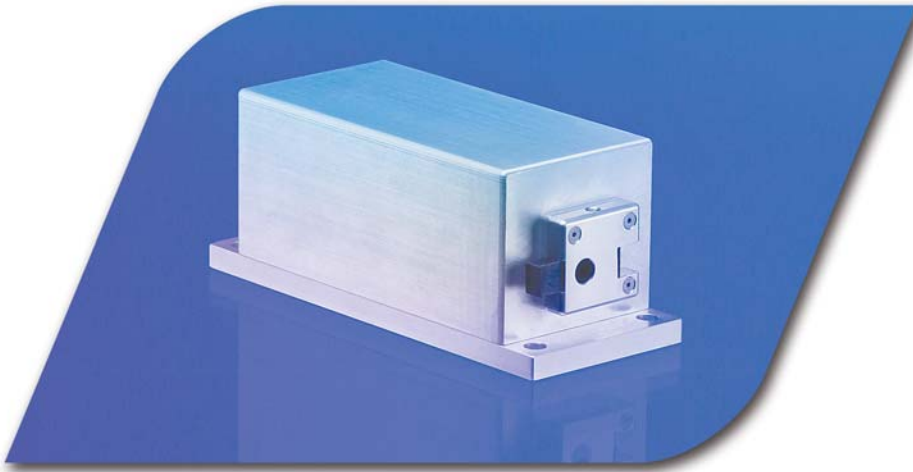


## 56 CRH Ultra Diode Laser Modules



### 56 CRH Ultra Series

The new 56 CRH Ultra series of diode laser modules provides exceptional pointing stability and beam performance from a self contained package. The industry standard 100 x 40 x 40 mm package incorporates analog drive electronics to provide a smaller footprint and reduced cost. The unique opto-mechanical design is optimized for focused beam applications such as flow cytometry and confocal microscopy where a specific beam waist location is desired. Standard wavelengths are available at 375 nm, 408 nm, 442 nm, 488 nm, and 642 nm with output powers up to 120 mW depending on wavelength.

### Key Features

- 15 mW at 375 nm
- 100 mW at 408 nm
- 40 mW at 442 nm
- 50 mW at 488 nm
- 120 mW at 642 nm
- Pointing stability less than 5  $\mu\text{rad}/^\circ\text{C}$
- Power stability better than  $\pm 2\%$
- 5 v and 9 v dc operation
- Boresight <2 mrad
- Less than 2% peak to peak optical noise
- Circular or elliptical beam output
- Polarization ratio > 100:1
- DB15 HD interface connector
- Diagnostic signal outputs for laser current, laser power, and laser enable



Lasers | Lenses | Mirrors | Filters | Assemblies | Windows | Shutters | Waveplates | Mounts

| Lasers +1 760 438 2131 | Optics & Photonics +1 505 296 9541 | Europe +31 316 333 041 | Asia +81 3 3407 3614