

FLIR NIR™

Compact VCSEL Based Laser Illuminators

FLIR's NIR laser illuminators are based on proprietary laser diode technology and achieve superior illumination quality for improved image quality with higher signal-to-noise ratios. 100mW and 650 mW models are available to provide high brightness illumination in a 3° spot size.

FLIR's proprietary high power Vertical-Cavity, Surface-Emitting Laser (VCSEL) arrays provide uniform spatial illumination in a custom defined illumination pattern with low speckle, while delivering light weight, high efficiency, and high reliability.

KEY FEATURES

- NIR Illumination
- Low divergence beam
- Works with CCD, CMOS and InGaAs imaging systems
- Continuous and camera synchronized operation
- Superior beam quality with low speckle

APPLICATIONS:



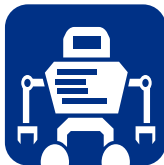
Handheld



Gimbal



Unmanned

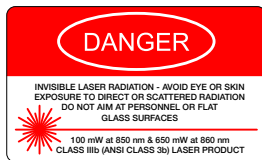


Robotics

Specifications

Parameter	CLI-T0	CLI-650
Output Laser Power	100 mW	650 mW
Wavelength	850 nm	860 nm
Power Efficiency	35%	30%
Part Weight	1.6 g	3.6 g
Beam Divergence	4°	3°
Operating Voltage	2.2 V	2.1 V
Operating Current	140 mA	1100 mA
Classification	Class 3B Laser	Class 3B Laser

ITAR



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