

IR Laser Illuminators

UP to 2 km in total darks

High-brightness, Superior
Imaging Quality



IR laser illuminator technology is based on EOC's laser diode technology and achieves superior illumination for improved image quality with higher signal-to-noise ratios.

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

Applications

- 24-hour persistent surveillance

Features

- NIR and SWIR illumination
- Continuous and camera synchronized operation
- Superior beam quality with low speckle
- Square and circular illumination patterns
- Optional IR laser marker
- Low divergence beam

Specifications

PARAMETER	TYPICAL VALUE
Output laser Power	1-4 Watts
System Weight	1 kg
Beam Divergence	5 - 20°
Wavelength (Custom available)	975, 1064 nm
Classification	Class IIIB Laser

SWIR Illumination



Shortwave Infrared illumination example featuring superior beam quality with no speckle.

Models :

EV3000-IR-laser-1	range .6 km
EV3000-IR-laser-2	range 1 km
EV3000-IR-laser-3	range 2 km

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United Vision Security Systems

A world without darkness...