

# 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
- Unmanned aerial vehicles

## 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