

Illuminator™

LOW-LIGHT CCD CAMERA /
HIGH-POWERED SPOTLIGHT

The Illuminator is a unique deterrence system that utilizes a day / low-light CCD camera with a high-power spotlight to detect, deter and immobilize intruders. The spotlight on the Illuminator is available in both a 7.5 and 12 million-candle-power (MCP) option and can detect and temporarily disorient intruders within a one-mile radius. When paired with an ICx millimeter wave radar; the Illuminator can be a powerful addition to detect, visibly illuminate intruders and show security forces where to respond.

The Illuminator provides a non-lethal deterrence mode which uses a high-powered strobe light that can temporarily blind or disorient intruders. Additionally, it can alert unwanted traffic in the vicinity (people, boats, cars, etc.) that they are in a restricted area and encourage them to leave. The Illuminator is available in both covert or non-covert options. Extended range performance can be achieved through the addition of an optional HyperZoom Lens.

The Illuminator is ideally suited for day and night perimeter security, border surveillance, law enforcement, crowd control, deterrence and search and rescue operations. Featuring a sleek integrated pan and tilt design, the camera is capable of continuous 360° panning, -80° to +27° tilt and has the ability to withstand temperatures ranging from -40° to +60°C. An external heater is available for extreme temperature situations. The ruggedized housing is environmentally sealed to meet NEMA 4X and IP66 specifications and has been tested and certified by an independent lab.

Out of the box, the Illuminator is ready to integrate into your system. It supports most protocols used in commercial and military applications and can easily be integrated into existing fiber, wireless or IP networks. It can also interface with Video Motion Detection (VMD), radar, Unattended Ground Sensors (UGS) or other trigger sensors for a “slew to cue” solution.



FEATURES

- Enhance situational awareness
- Strengthen standoff protection with remote illumination of intruders
- Blinding, non-lethal deterrence
- Radar, VMD and UGS compatible for a “slew to cue” solution
- Optional HyperZoom lens for extended range performance
- Covert near infrared filter (optional)



NEW THREATS.
NEW THINKING.™

SPECIFICATIONS

SPOTLIGHT

Beam width	Adjustable, 1° to 40°
Light Output	7.5 MCP 12 MCP optional
Illumination range	1 lux on target at up to 1.5 miles (2.4 km)

DAY / LOW-LIGHT CCD CAMERA

Variable FOV Zoom	
Lens with Image Stabilization	42° to 1.6° (standard)
Variable FOV HyperZoom	
Lens with Image Stabilization	21° to 0.8° (optional)
Zoom	Optical: 26x Digital: 12x Total: 312x
Minimum Illumination	2.0 lux/1/60 sec (NTSC) 0.14 lux/1/4 sec (NTSC)
Starlight Mode	0.7 lux/1/60 sec (NTSC) 0.05 lux/1/4 sec (NTSC)

THERMAL CAMERA (optional)

Power Consumption (light on)	140W typical; 240 W peak
Power Consumption (light off)	20 W typical; 35 W peak
Weight	<15 lbs.
Operating Temperature	-40° to +60° C
Environmentally	
Sealed Housing	NEMA 4X & IP66 Certified
Azimuth Control	Continuous 360°
Elevation Control	-80° to +27°
Pan & Tilt Slew Rate	0° / sec to 110° / sec
Pointing Accuracy	Pan ± 1/2 ° Tilt ± 1/2 °



Target detected at
250 meters (non-covert)



Target detected at
500 meters (covert)



Target detected at
750 meters (non-covert)



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