

IR Illuminator 5000 MR



The infrared illuminator provides covert or semi-covert lighting for medium-range indoor and outdoor surveillance applications. IR illumination dramatically improves night-time imaging, and reduces noise and bit rates.

The set of interchangeable diffuser lenses means that beam patterns can be selected that match your application to provide accurately illuminated scenes. The self-cleaning window reduces maintenance requirements. Specifically designed for energy efficient operation, the illuminator can be powered directly from any 12 to 32 VDC or 24 VAC supply for faster, flexible, cost effective installations.

System overview

Energy efficient surface-mount high-power LEDs deliver maximum illumination with reduced power consumption. Advanced electronic control circuitry delivers improved thermal management, long life and low cost of ownership. A pressure equalization valve prevents thermal expansion and pressure cycling. Easy access to power and photo cell adjustment facilitates quick and easy installation.

Certifications and approvals

Standards	Туре
CE-EMC	EN 61547 (Lighting-Immunity)
	EN 55015 (Lighting-Emission)
	EN 62493(Lighting EMF)
	EN 50130-4 (Alarm EMC)







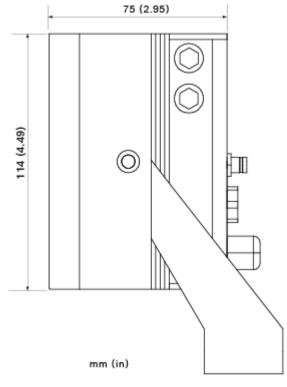
- ► Integrated adjustable photocell
- ► Adjustable IR intensity
- ► Interchangeable beam pattern diffusers to match beam to camera
- ► Telemetry input and photocell output for external switching
- ► Self-cleaning lens coating technology

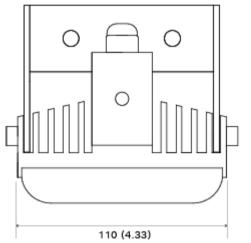
Standards		Туре	
Safety			
CE-LVD		EN-60598-1 (Luminaires-General)	
		EN-60598-2-1 (Luminaires)	
LED		EN 62471 Risk group 2 (LED safety)	
Environment	al	IEC / EN 60529 IP66	
		IEC / EN 62262 IK09	
		EN50130-5 Class IV (Alarm-environmental)	
		EN 50581 RoHS,	
USA cULus		UL 2108 Low Voltage Lighting Systems	
		UL 8750 Light Emitting Diode (LED) equipment for use in lighting systems	
		CSA C22.2 No. 250.0-08 Luminaires	
		FCC, Class B	
AUS		RCM AS / NZS CISPR 22 Class B	
Region	Regul	latory compliance/quality marks	
Europe	CE		
USA	UL		

Video - IR Illuminator 5000 MR

Installation/configuration notes

Dimensions





Technical specifications

Power	
Power supply	12 to 32 VDC or 24 VAC ±10%
Power consumption	26 W
Optical	
Optical	
Wavelength	850 nm or 940 nm

Optical	
Day/night switch	Photocell, sensitivity adjustable (20 lx to 70 lx)
Beam angles	10°, 20°, 30°, 60°, 80°, and 95°

Range 850 nm		
Beam pattern diffuser	Achievable Distance*	HFOV
100	220 m (722 ft)	38 m (126 ft)
20°	150 m (492 ft)	53 m (174 ft)
300	110 m (361 ft)	59 m (193 ft)
60°	70 m (230 ft)	81 m (265 ft)
80°	50 m (164 ft)	84 m (275 ft)
950	35 m (115 ft)	76 m (251 ft)

Range 940 nm		
Beam pattern diffuser	Achievable Distance*	HFOV
100	135 m (443 ft)	24 m (77 ft)
20°	80 m (262 ft)	28 m (93 ft)
300	65 m (213 ft)	35 m (114 ft)
60°	40 m (131 ft)	46 m (152 ft)
80°	30 m (98 ft)	50 m (165 ft)
95°	20 m (66 ft)	44 m (143 ft)

^{*} Actual illumination distance achieved is dependent on camera and lens characteristics.

Mechanical	
Housing	Robust anodized aluminum extrusion, black
Front window	Polycarbonate high transmittance (vandal- resistant) with self-cleaning technology
Mount	Black powder coated stainless steel U-bracket (adjustable with M6 socket-head wrench)
Cable	3 m (9 ft)
Dimensions (W x H x D)	110 x 114 x 75 mm (4.33 x 4.49 x 2.95 in)
Bracket dimensions (W x H x D)	110 x 125 x 35 mm (4.33 x 4.92 x 1.38 in)
Weight	1.06 kg (2.3 lbs)
Bracket weight	0.2 kg (0.44 lbs)

EWE-IIR940-IW 12mths wrty ext IR Illuminator 940 nm

Order number EWE-IIR940-IW | F.01U.346.364

12 months warranty extension

Environmental	
Operation Temperature Range	-50 °C to +50 °C (-58 °F to +122 °F)
Protection	IP66

Ordering information

IIR-50850-MR Illuminator, 850nm, medium range

Medium range IR illuminator 850 nm

Order number IIR-50850-MR | F.01U.319.315

IIR-50940-MR Illuminator, 940nm, medium range

Medium range IR illuminator 940 nm

Order number IIR-50940-MR | F.01U.319.316

Accessories

IIR-MNT-SLB Bracket for illuminator, single L, black

Illuminator single L-bracket, black

Order number IIR-MNT-SLB | F.01U.319.324

IIR-MNT-DLB Bracket for illuminator, double L, black

Illuminator double L-bracket, black

Order number IIR-MNT-DLB | F.01U.319.325

IIR-MNT-TLB Bracket for illuminator, triple L, black

Illuminator triple L-bracket, black

Order number IIR-MNT-TLB | F.01U.319.326

IIR-MNT-PMB Bracket for illuminator, pole mount

Illuminator pole mount bracket, black

Order number IIR-MNT-PMB | F.01U.319.327

PSU-IIR-35 Power supply, 100-240VAC/24VDC, 1.25A

Constant Voltage, 24 VDC, 35W power supply designed for LED lighting applications. 100-240VAC in, 1.46A out. Aluminum case rated IP67.

Order number PSU-IIR-35 | F.01U.319.328

PSU-IIR-60 Power supply, 100-240VAC/24VDC, 2.5A

Constant Voltage, 24 VDC, 60W power supply designed for LED lighting applications. 100-240VAC in, 2.5A out. Aluminum case rated IP67.

Order number PSU-IIR-60 | F.01U.319.329

PSU-IIR-100 Power supply, 100-240VAC/24VDC, 4.2A

Constant Voltage 24 VDC, 100W power supply designed for LED lighting applications. 100-240VAC in, 4.16A out. Aluminum case rated IP67.

Order number PSU-IIR-100 | F.01U.319.330

Services

EWE-IIR850-IW 12mths wrty ext IR Illuminator 850 nm

12 months warranty extension

Order number EWE-IIR850-IW | F.01U.346.347

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