

## IP IR Illuminator 5000 MRP



The network 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 Power-over-Ethernet (PoE+) 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. Additional functions include Eco and boot power modes, a tamper/shock sensor, and an integrated web interface for easy set-up and adjustment.

### Certifications and approvals

| Standards     | Type  |
|---------------|---|
| <b>CE-EMC</b> | EN 55024 (IT equipment - Immunity)<br>EN 55032 (IT equipment - emissions) |



- ▶ Integrated adjustable photocell
- ▶ Adjustable IR intensity
- ▶ Interchangeable beam pattern diffusers to match beam to camera
- ▶ Self-cleaning lens coating technology
- ▶ Web interface set up

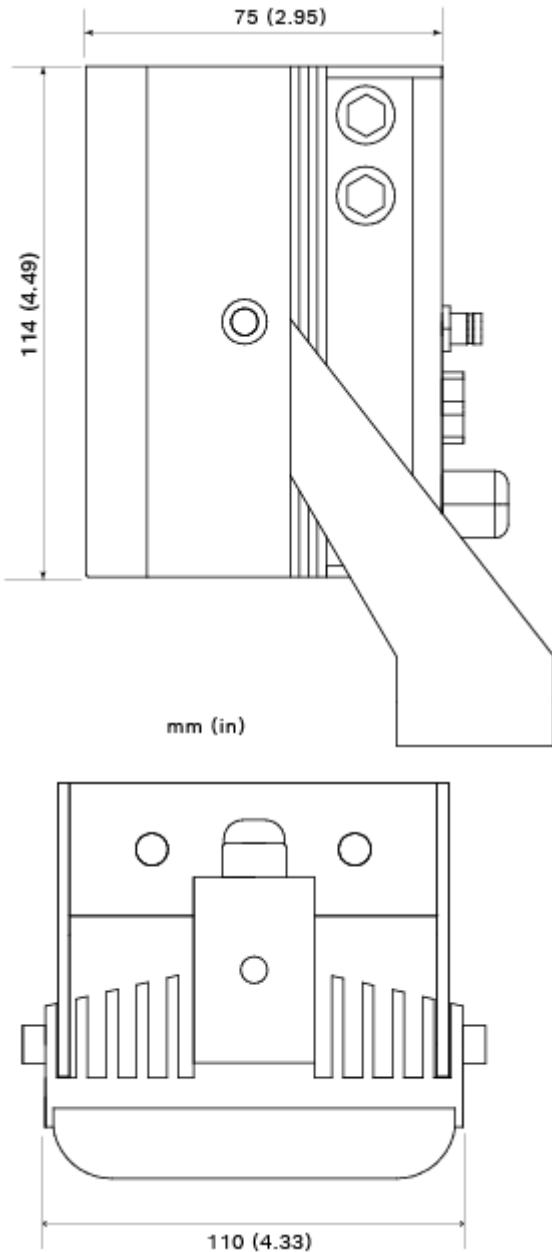
| Standards            | Type   |
|----------------------|--|
| <b>CE-EMC</b>        | EN 61547 (Lighting-Immunity)   |
|                      | EN 55015 (Lighting-Emission)   |
|                      | EN 62493( Lighting EMF)  |
|                      | EN 50130-4 (Alarm EMC)   |
| <b>Safety</b>        |  |
| CE-LVD               | EN-60598-1 (Luminaires-General)  |
|                      | EN-60598-2-1 (Luminaires)  |
| LED                  | EN 62471 Risk group 2 (LED safety)                                       |
| <b>Environmental</b> | IEC / EN 60529 IP66  |
|                      | IEC / EN 62262 IK09  |
|                      | EN50130-5 Class IV (Alarm-environmental)                                 |
|                      | EN 50581 RoHS,   |
| <b>USA cULus</b>     | 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   |

| Standards | Type                          |
|-----------|-------------------------------|
| AUS       | RCM AS / NZS CISPR 22 Class B |

| Region | Regulatory compliance/quality marks |
|--------|-------------------------------------|
| Europe | CE                                  |

**Installation/configuration notes**

**Dimensions**



**Technical specifications**

| Power        |   |
|--------------|---|
| Power supply | Power-over-Ethernet (PoE+) (IEEE 802.3at compliant) |

| Power             |      |
|-------------------|------|
| Power consumption | 26 W |

| Optical          |   |
|------------------|---|
| Wavelength       | 850 nm or 940 nm  |
| IR control       | Adjustable IR intensity (0% to 100%)                      |
| Day/night switch | Photocell, sensitivity adjustable (20 lx to 70 lx)        |
| Beam angles      | 10° (circular), 20°, 30°, 60°, 80°, and 95° (ellipticals) |

| Range 850 nm          |                      |               |
|-----------------------|----------------------|---------------|
| Beam pattern diffuser | Achievable Distance* | HFOV          |
| 10°                   | 220 m (722 ft)       | 38 m (126 ft) |
| 20°                   | 150 m (492 ft)       | 53 m (174 ft) |
| 30°                   | 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) |
| 95°                   | 35 m (115 ft)        | 76 m (251 ft) |

| Range 940 nm          |                      |               |
|-----------------------|----------------------|---------------|
| Beam pattern diffuser | Achievable Distance* | HFOV          |
| 10°                   | 135 m (443 ft)       | 24 m (77 ft)  |
| 20°                   | 80 m (262 ft)        | 28 m (93 ft)  |
| 30°                   | 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        | 1m with connector   |

**Mechanical**

|                                   |  |
|-----------------------------------|--|
| Dimensions<br>(W x H x D)         | 110 x 114 x 75 mm (4.33 x 4.49 x 2.95 in.) |
| Bracket dimensions<br>(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)                          |

**Environmental**

|                                |                                      |
|--------------------------------|--------------------------------------|
| Operation Temperature<br>Range | -50 °C to +50 °C (-58 °F to +122 °F) |
| Protection                     | IP66                                 |

**Ordering information****NIR-50850-MRP Illuminator, 850nm, medium range, PoE+**

Medium range IR illuminator powered by PoE+  
850 nm

Order number **NIR-50850-MRP | F.01U.319.321**

**NIR-50940-MRP Illuminator, 940nm, medium range, PoE+**

Medium range IR illuminator powered by PoE+  
940 nm

Order number **NIR-50940-MRP | F.01U.319.322**

**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**

**Services****EWE-IR5IP-IW 12mths wrty ext IR Illum 508 IP**

12 months warranty extension

Order number **EWE-IR5IP-IW | F.01U.346.375**

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