

iluminar

IR148-PoE-2 Series

Product Features

- Short range IR illuminator
- SMT LED technology
- Distances up to 148' (45m)
- Angles 10°, 30°, 60°, 100° & 120°
- 850nm or 940nm Wavelengths
- Low power consumption (12W)
- Long life
- 5 year warranty
- IP67 weatherproof rating
- Built-in photocell IR on/off
- Telemetry input for remote switching
- PoE (IEEE802.3af compliant) power



What is IR Illumination?

Active or near infra-red (NIR) illumination is energy which is invisible to the human eye but can be seen by a high quality true day/night camera (IR cut filter removed). The energy from IR illuminators resides just outside the visible red section of the electromagnetic spectrum, above 700nm and below 1000nm.

IR illumination is an ideal source of illumination for security cameras for the following reasons.

- It is invisible to the human eye but visible to black/white and true day/night cameras.
- Avoids the problem of light pollution.
- Longer range than visible light

All Iluminar illuminators provide superior IR lighting for video surveillance systems. They are available with a range of angles to cover different distances and scenes.

Supplied with an IP67 rating, they are vandal proof and can be used indoors and outdoors. The anodized aluminum housing provides protection from the harshest weather conditions.

Professional Illuminators vs Camera Built-in Illuminators

There are many advantages of using separate, professional illuminators versus built-in camera infrared illuminators

- Longer life on the LED's
- No hot spots
- Wider angles
- Longer range
- Avoids attracting insects to obscure camera view

Models

| Model Number | Wavelength | Angle | Distance | | HOV | |
|------------------|------------|------------|----------|-----|------|-----|
| IR148-A10-PoE-2 | 850nm | 10° | 115' | 35m | 20' | 6m |
| IR148-A30-PoE-2 | 850nm | 30° | 66' | 20m | 35' | 11m |
| IR148-A60-PoE-2 | 850nm | 60° | 49' | 15m | 56' | 17m |
| IR148-A100-PoE-2 | 850nm | 100° x 50° | 40' | 12m | 94' | 29m |
| IR148-A120-PoE-2 | 850nm | 120° | 33' | 10m | 115' | 35m |

General

| | |
|-----------------------------|---|
| Electronics | High efficiency surface mount high power LED's with advanced current limited integral control circuitry |
| Number of SMT LED's | 4 |
| Construction | Robust high quality aluminum extrusion |
| Front window | Polycarbonate high transmittance protective (vandal-proof) IR filter |
| Finish | Black anodized |
| Power Cable | IP67 rated RJ45 Cat5e |
| Telemetry Following Contact | Via cable |
| Pressure Equalization Vent | Prevents thermal expansion & pressure cycling |
| Photocell | Adjustment via Remote |
| Illumination | Adjustable via Remote |
| Operating Temperature | -58° to 140°F (-50° to 60°C) |
| Weight | 1.63lbs (0.5kg) |
| Mount | Black powder coated stainless steel wall mount |
| Dimensions | 2.16" x 4.33" x 3.15" (55 x 110 x 80mm) |

Power over Ethernet (PoE) IEEE802.3af compliant

Consumption 12W

Wavelength

Standard (A)

850nm (semi-covert)
Faint red glow visible on the illuminator only (no visible light)

Optional (C)

940nm (covert)
No visible glow from illuminator – ideal for transportation or high security applications

Certifications

Safety EN60598:2004 Electrical Safety
EN60825-1 Laser Eye Safety

IP IP67 in accordance with EN60529:1992

EMC EN61000, FCC part 15.107
15.103 Class B

WEEE Waste Electrical & Electronic Equipment
European directive 202/96/EC

RoHS Restriction of Hazardous Substances European
directive 202/95/EC

Electrical