iluminar

IR148-PoE Series

Product Features

- IR illuminator designed to provide dedicated lighting for IP cameras via PoE (Power over Ethernet) enabled network infrastructure
- IEEE802.3af compliant
- SMT LED technology
- Distances up to 115' (35m)
- Angles 10°, 30°, 60°, 100° & 120°
- 850nm wavelength
- 5 year warranty
- IP67 weatherproof
- Built-in photocell IR on/off
- Photocell following contact
- Telemetry input for remote switching

PoE Powered

Who are Iluminar?

Iluminar (which stands for "illuminate" in Spanish) are a specialist manufacturer and supplier of IR and white light illuminators and license plate recognition products. The owners have over 30 years combined industry experience. Our company mission is to supply high quality and reliable lighting and license plate recognition products to the CCTV industry, backed by unsurpassed customer service.

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 black/white or 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, which makes it ideal as a covert/none obtrusive form of illumination.
- Because it is invisible to the human eye it does not create the problem of light pollution.
- It has a longer range than visible light due to the higher wavelength (up to approx. 1000' or 305m)

All Iluminar's Infrared illuminators are designed to provide superior IR lighting for CCTV systems. They are available with a range of angles to cover different ranges and scenes.

Supplied with an IP67 rating, they are vandal proof and can be used outdoors. The hardened housing provides protection from the harshest weather conditions and rapid temperature variations (-58°F to 140°F).

Models

Model Number	Wavelength	Angle	Distance		HOV	
IR148-A10-PoE	850nm	10°	115'	35m	20'	6m
IR148-A30-PoE	850nm	30°	66'	20m	35'	11m
IR148-A60-PoE	850nm	60°	49'	15m	56'	17m
IR148-A100-PoE	850nm	100° x 50°	40'	12m	94'	29m
IR148-A120-PoE	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	8
Construction	Robust high quality aluminum extrusion
Front window	Polycarbonate high transmittance protective (vandal-proof) IR filter
Finish	Black anodized
Power cable/connector	IP67 rated RJ45 Cat5e compliant connector
Interface Connector	Photocell following contact & remote telemetry input
Pressure Equalization Vent	Prevents thermal expansion & pressure cycling
Photocell	Adjustment via pot
Illumination	Adjustable via pot
Operating Temperature	-58° to 140°F (-50° to 60°C)
Weight	1.65lbs (750g)
Dimensions	2.68" x 4.33" x 3.07" (68 x 110 x 78mm)
Mount	Black powder coated stainless steel wall mount. Adjustable via M6 Allen key (included)

Electrical

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)

Certifications

Safety	EN60598:2004	Electrical Safety
	EN60825-1	Laser Eye Safety
IP	IP67 in accordance with EN60529:1992	
EMC	EN61000, FCC part 15.107 15.108 Class B	
WEEE	Waste Electrical & Electronic Equipment European directive 202/96/EC	
RoHS	Restriction of Hazardous Substances European directive 202/95/EC	