

iluminar

IR623-P Series

Product Features

- Long range IR illuminator
- Provides 850nm infra-red illumination
- Integrated into Pelco Esprit® series
- Provides 24 hour surveillance
- Full 360° continuous rotation
- No external PSU required
- SMT LED technology
- Distances up to 623' (190m)
- Available angles 10°, 30°, 60° & 120°
- IP67 weatherproof rating
- Built-in photocell IR on/off
- Simple installation
- Esprit® SMR 1-1NQG2D (Esprit® available from Pelco dealer)



Product Description:

The IR623-P series illuminators are designed specifically to operate with **new Pelco Esprit® SE PTZ Series EPT40/ESPT41/ESPT40P/ESPT41P- 24VAC models**. Please call Pelco to verify **model** part numbers. When ordering from Pelco use **SMR1-1NQG2D**. The illuminator provides directional infrared illumination to the Esprit® cameras for total 24 hour surveillance.

The modified Pelco Esprit® is supplied with a mount uniquely designed for mounting an Iluminar IR623-P series illuminator, allowing quick and easy installation. Full 360° continuous rotation is maintained to ensure ease of operation.

Direct power is supplied via the Esprit® to the single IR623-P illuminator, alleviating the need for external power supplies.

The IR623-P illuminators are designed to obtain optimum low light performance from the Esprit® high performance day/night cameras. The weight and power of the illuminators has been optimized so as not to exert additional stress on the Esprit® and thereby maintain the life expectancy of the unit.

A single IR623-P illuminator mounted on an Esprit® provides infrared illumination up to 623' (190m) at a 10° angle, allowing an Esprit camera to provide high quality video under total darkness. This makes for the perfect cost-effective solution for any low light security application.

Models

Model Number	Wavelength	Angle	Distance		HOV	
IR623-A10-24-P	850nm	10°	623'	190m	108'	33m
IR623-A30-24-P	850nm	30°	328'	100m	177'	54m
IR623-A60-24-P	850nm	60°	246'	75m	285'	87m
IR623-A120-24-P	850nm	120°	131'	40m	456'	139m

IR Illuminator

General

Electronics	High efficiency surface mount high power LED's with advanced current limited integral control circuitry
Construction	Robust high quality aluminum extrusion
Front window	Polycarbonate high transmittance protective (vandal-proof) IR filter
Finish	Black anodized
Power Cable	9ft (3m)
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	3lbs (1.35Kg)
Mount	Black powder coated stainless steel wall mount. Adjustable via M6 Allen key
Dimensions	6.34" x 4.33" x 3.07" (161 x 110 x 78mm)

Electrical

Input Voltage	12-32V DC or 24V AC
Input Current	1.6A at 24V AC
Consumption	39W

Certifications

Safety	EN60598:2004 EN60825-1	Electrical Safety 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	

Esprit®

General

Construction	Aluminum Alloy
Wiring for Illuminators	Weather-tight connector at base of Esprit® housing
	Termination terminal strip inside Esprit® housing
Mechanical	Maximum capacity accepts 1 x IR623-P series IR Illuminator
	Stainless steel bolts
Operating Temperature	-50° to 140°F (-45° to 50°C)

Electrical

Input Voltage	24VAC
Input Current	3A