

IPMECL-C1

LED Continuous Lamp



Series Overview

The Constant-on LED Illuminator provides continuous illumination in both warm light and infrared modes. When paired with the Smart ANPR Camera Module, it significantly enhances the snapshot rate and recognition accuracy in low-light or nighttime conditions.

Functions

Dual-Mode Illumination

Features IR and white light modes with multi-level brightness adjustment, flexibly adapting to ambient light conditions.

Intelligent Linkage

Interacts with ANPR devices in real time through RS-485 ports and controls fill light mode through the camera, providing feedback on the device status.

Flexible Adjustment

Equipped with a bracket that can be tilted and rotated, simplifying installation and maintenance.

Scene

It is ideal for use at the entrances and exits of parking lots.

Technical Specification

Basic

Light Type	LED light
Light Source	Visible light (wavelength: 350 nm–780 nm);IR light (wavelength: 850 nm)
Color Temperature	3000 K

- Compatible with ITC413M series of smart ANPR cameras.
- Equipped with a bracket that can be tilted and rotated for flexible positioning.
- Features IR and white light modes that can be adjusted for the scene.
- Offers adjustable brightness levels to flexibly adapt to different ambient light conditions.
- Interacts with ANPR devices in real time through RS-485 ports to switch the lighting mode, adjust brightness and provide feedback on device status.

Center Illuminance	≥55 lx (at 6 m (19.69 ft))
Irradiance	≥35 μW/cm² (at 6 m (19.69 ft))
Trigger Mode	Constant on
Light Spot Coverage	Single lane
Illumination Distance	2.5 m–6 m (8.20 ft–19.69 ft)

LED

LED Quantity	9
Luminous Flux	≥750 lm
Radiation Flux	≥3.6 W
Color Rendering Index (CRI)	≥70
Lens Illuminating Angle	40° × 40°

Function

Day/Night	Yes
Operating Mode	White Light/IR
Status Indication	Supports reporting device online/offline, and on/off status
IR/White Light Switch	Yes
Brightness	Brightness can be adjusted from level 1 to 100

Port

RS-485	1
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General

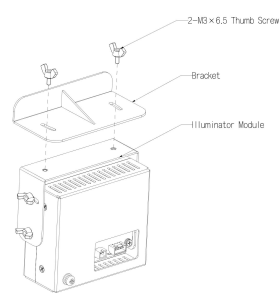
Power Supply	12 VDC
Power Consumption	<36 W
Operating Temperature	–30 °C to +65 °C (–22 °F to +149 °F)
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	10%–90% (RH), non-condensing
Storage Humidity	≤95% (RH), non-condensing

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Product Dimensions	114.4 mm × 91.7 mm × 53.4 mm (4.5" × 3.61" × 2.1") (L × W × H)
Packaging Dimensions	170.0 mm × 164.0 mm × 101.0 mm (6.69" × 6.46" × 3.98") (L × W × H)
Net Weight	436.5 g (0.96 lb)
Gross Weight	550.0 g (1.21 lb)
Installation	Mount with bracket

Ordering Information		
Type	Model	Description
LED Continuous Lamp	IPMECL-C1	LED Continuous Lamp

Installation



Dimensions (mm[inch])

