DHI-ITALF-300AD-IR-P

Dahua IR Flash Lamp

- Works in all weather conditions, is high powered and has an exposure index up to 90 GN.
- Lifespan of up to 10 million cycles.
- Covers up to 1 lane, depending on the illumination distance.
- Counts the number of times it flashes and is triggered, and displays its operating status on the webpage.
- Works with Dahua high-definition traffic cameras to capture clear images inside vehicles through IR in the daytime.

System Overview

The illuminator is a high-performance auxiliary light source for the intelligent traffic field. The illuminator is featured by: Short recycle times and has lifespan of up to 10 million times with intelligent control; short flashing duration and clear snapshots with exposure index up to 90 GN; professional structural design and high heat dissipation efficiency; 24/7 IR illuminance in combination with IR camera.

Functions

Long Lifespan
Developed with innovative energy-saving technology, the device has a lifespan that lasts up to 10 million cycles.

All-weather IR
The illuminator can help cameras take clear images of license plates, to assist with recognition of vehicle types and faces. It also provides backlight compensation during the day and supplements light for taking snapshots of faces.

Brightness Control
The brightness can be manually adjusted through the camera I/O or automatically adjusted based on the surrounding environment.

Flash and Trigger Count
Counts the number of times it flashes and is triggered.

Voltage Regulation Technology
Advanced voltage regulation technology that controls and stabilizes the voltage.

Scene

The illuminator is primarily used for ANPR systems to provide light for recognizing license plates (especially at night), other vehicle attributes (such as vehicle models), and supplement light to take snapshots of faces.

Recycle Time
Recycle time is less than 60 ms, meeting the time requirements for taking 2 snapshots consecutively.

Anti-interference
Filters interference signals on the mounting pole generated by other devices via detecting pulse width signals that have a fixed width. This enhances the reliability of the illuminator.

False Trigger Signal Blocking
Blocks interference signals triggered by false detection. When the external triggering frequency is greater than the false detection limit, the illuminator will not respond to the next trigger signal until 10 seconds after the interference signal disappears.

Efficient Heat Dissipation
The internal thermal dissipation design helps prevent the illuminator from overheating on account of high-frequency flashing.

Technical Specification

Basic

Light Type	IR HID flashing light
Light Source	IR light (cut-off wavelength: 710 nm)
Center Illuminance	≥200,000 μW/cm²
Trigger Mode	On-off trigger switch
Light Spot Coverage	1 lane
Illumination Distance	16 m–26 m (52.49 ft–85.30 ft)
Recycle Time	<60 ms

Xenon

Exposure Index	90 GN
Flash Duration	180 μs–500 μs
Flash Count	Generates statistics on the number of flashes and times triggered
Flashing Light Lifespan	≥ 10 million times

Function

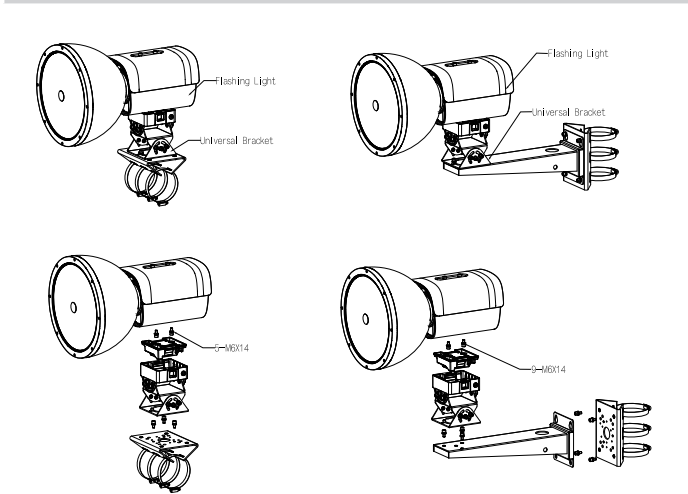|	
Operating Mode	Flashing light
Remote Failure Display	Remotely displays the running or fault status of the illuminator.
Brightness	Support, the brightness can be adjusted from 1 to 16 levels.
Snapshotand Illumination Synchronization	Yes, supports snap and illumination synchronization
False Triggered Signal Blocking	Yes
Anti-interference	Yes

Port

I/O	1
Flash Light	1
RS-485	1

General

Power Supply	220 VAC±20%
Power Consumption	Average: <100 W (@1 flash/s), max: <1500 W
Operating Temperature	−40 °C to +70 °C (−40 °F to +158 °F)
Operating Humidity	10%–90% (RH), non-condensing
Protection	IP66
Product Dimensions	407.6 mm × 298.0 mm × 165.7 mm (16.05" × 11.73" × 6.52") (L × W × H)
Packaging Dimensions	540 mm × 174.2 mm × 143 mm (21.25" × 6.86" × 5.63")
Net Weight	4.8 kg (10.58 lb)
Gross Weight	6.6 kg (14.55 lb)
Installation	Universal joint mount

Ordering Information

Type	Model	Description
Illuminator	DHI-ITALF-300AD-IR-P	IR Flash Lamp
Accessories	8019	General cardon joint bracket
	3012	Side Mount Bracket (can be purchased separately)
	PFA150	Mount bracket (can be purchased separately)

Installation

Dimensions (mm[inch])