

# DHI-ITALF-300AD-IR8-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 1 lane.
- Counts the number of times it flashes and is triggered, and displays its operating status on the webpage.

### 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.

### 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.

### 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.

Technical Specification	
Basic	
Light Type	IR HID flashing light
Light Source	IR light (cut-off wavelength: 850 nm)
Irradiance	≥200000 μW/cm <sup>2</sup>
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.
Snapshot and 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 (21.26" × 6.86" × 5.63") (L × W × H)
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-IR8-P	Dahua IR Flash Lamp
	PFA150	Mounting bracket (purchase separately)
Accessories (Optional)	8019	3-dimensional universal mounting bracket (purchase separately)
	3012	Side Mounting Bracket (purchase separately)

Accessories

Optional:



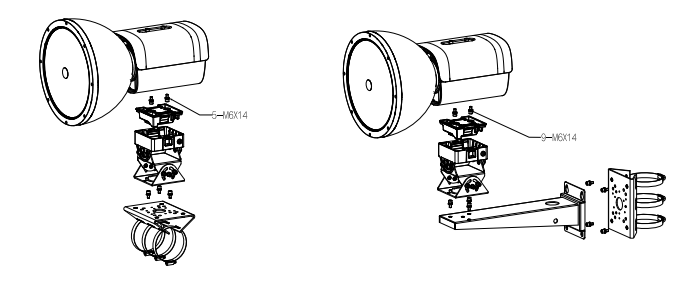
PFA150  
Mounting Bracket  
(purchase separately)



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Dimensions (mm [inch])

