

DHI-ITALF-300AD-GS

Dahua Flash Lamp



System Overview

The DH-ITALF-300AD-GS model of the Dahua Flash Lamp is a high-performance, auxiliary light source in the field of intelligent transportation that provides light for cameras as they take snapshots. It offers intelligent control and a fast recycle speed. Through its unique heat insulation design, it has a long lifespan, flashing up to 10 million times, and it also has a short flash duration, which helps the camera to take vivid pictures. With its photosensitive detector and built-in raster, the illuminator automatically adjusts the brightness of its flash to suit the environment it is in, reducing light pollution.

Functions

Color Temperature

The color temperature is 5800 K $\pm$ 200 K.

Trigger Mode

Both pulse width trigger and edge trigger are supported.

Wide Light Coverage

When installed at a height of 6 meters, light coverage extends up to 4 meters wide. This allows cameras to take clear snapshots up to 26 meters away.

Short Recycle Time

Recycle time is less than 60 ms, allowing the system to take 2 consecutive snapshots.

Adjustable Brightness

Brightness levels can be adjusted between 1 and 16 levels.

Day/Night

Through its photosensitive detector, the illuminator adjusts its brightness to suit the day and night, moving between 6 levels. You are also free to configure the brightness.

Anti-dazzle

Built-in raster to reduce light pollution.

- Advanced voltage regulation technology that controls and stabilizes the voltage.
- Supplements light when the camera takes snapshots after receiving the flash signal from the camera.
- Supports RS-485 communication, upgrading through the serial port, and configuration of its settings and brightness through the client.
- Recycle time is less than 60 ms, meeting the time requirements for taking 2 snapshots consecutively.
- On-off trigger switch that facilitates testing whether the illuminator is running normally.
- Pulse width trigger that filters interference signals on the mounting pole by detecting pulse width signals that have a fixed width. This helps enhance the reliability of the illuminator.
- The brightness of the illuminator is automatically adjusted through the photosensitive detector.
- Generates statistics on the number of flashes and the number of times the device was triggered to assist you with quickly addressing signal interference issues on site.
- 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 s after the interference signal disappears.
- Highly durable, it is both waterproof and dustproof.
- 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 and E-police systems to provide illumination for recognizing license plates (especially at night) and other vehicle attributes (such as vehicle models), and capturing traffic violations.

Technical Specification	
Basic	
Light Type	White HID flashing light
Recycle Time	≤60 ms (flashes with the camera for double shots)
Color Temperature	5800 K ± 200 K
Light Spot Coverage	4 m (13.12 ft); installation height: 6 m (19.69 ft); capture distance: 26 m (85.30 ft)
Center Illuminance	≤4000 lux
Trigger Mode	Pulse width triggering/Edge triggering
Illumination Distance	16 m–26 m (52.49 ft–85.30 ft)
Xenon	
Exposure Index	64 GN
Flash Duration	180 μs–500 μs
Flash Count	Generates statistics on the number of flashes and the number of times the device was triggered.
Flash Lifespan	≥10,000,000 cycles
Wavelength	Visible light (wavelength: 350 nm–780 nm)
Function	
Day/Night	Adjustable sensitivity (level: 1–6)
Remote Failure Display	Remotely displays the running status and fault status of the illuminator on the webpage of the camera (only Dahua cameras)
Brightness	Adjustable brightness (level: 1–6)
Snapshot and Illumination Synchronization	Yes
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	<65 J per flash
Operating Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	10%–90% (RH), non-condensing
Protection	IP66
Product Dimensions	358.5 mm × 251.6 mm × 170.8 mm (14.11" × 9.91" × 6.72") (L × W × H)
Net Weight	4.0 kg (8.82 lb)
Gross Weight	4.5 kg (9.92 lb)
Installation	Universal joint installation

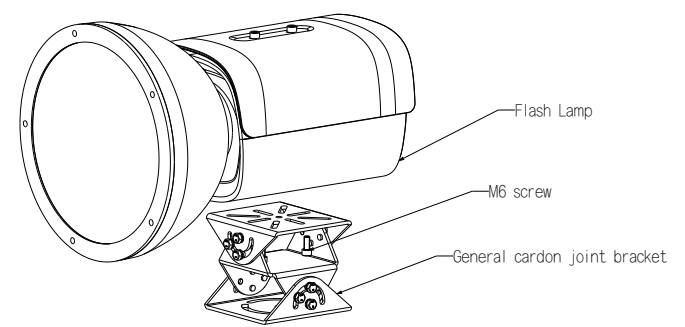
Ordering Information		
Type	Model	Description
Flash Lamp	DHI-ITALF-300AD-GS	Dahua Flash Lamp
Accessories (Optional)	8018	Universal Mounting Bracket

Accessories

Optional:



8018
Universal Mounting
Bracket



Dimensions (mm [inch])

