

DHI-ITALF-300AG-GLGS

All-in-One Multifunction Illuminator



System Overview

Ideal for traffic monitoring, the All-in-one Multifunction Illuminator is designed with the integrated high-brightness LED light and high-intensity discharge (HID) light. It features LED strobe, LED flashing, white light HID flashing and infrared HID flashing. Its light intensity is evenly balanced and effectively distributed due to its high-power LED chip, the embedded long-life gas lamp that is its light source, and its unique optical design. The illuminator provides professional illumination for scenes that require video surveillance, target detection, and that need to take snapshots of vehicles and pedestrians. It also reduces light pollution, and promotes the modern management of traffic in cities.

Functions

Integrated Lights

Embedded in the illuminator are 4 types of lights: warm white strobe LED, warm white LED, xenon light and IR flashlight. Together, they effectively reduce light pollution and eliminate the need to install multiple cameras on the same pole.

Infrared and White Light

Supports flashing the infrared and white lights, and automatically switches between the infrared and white light modes.

Video Sync

When used with cameras that have GS-CMOS image sensors, the internal strobe lights of the illuminator and camera can be synchronized to flash light at the same frequency. This allows cameras to take clear images of license plates.

Snapshot Sync

The xenon flashlight or warm white LED flashes to produce strong illumination for cameras to capture images that clearly reveal faces and other items in the scene.

Adjustable Pulse Width

The pulse width time of the LED strobe can be set from 0–3 ms on the webpage.

Recycle Time

The flash recycle time is less than 70 ms, allowing cameras to capture 2 pictures in traffic.

Trigger Mode

The illuminator can be triggered to turn on and off.

Strobe Statistics

It records information on strobe periods to facilitate the evaluation of the illuminator's lifespan.

Abnormal and Running Status

Remotely displays the running status and abnormalities of the illuminator on the webpage of Dahua traffic enforcement cameras to improve the efficiency of operation and maintenance.

Anti-dazzle

The unique optical design allows the illuminator to provide light for its designated area, greatly reducing light pollution on urban roads.

Technical Specification	
Basic	
Light Type	Multifunctional: 4 modes (warm light LED strobing, warm light LED flashing, white HID flashing and IR HID flashing)
Light Source	Visible light/IR light (cut-off wavelength: 710 nm)
Color Temperature	HID: 5800 K ± 200 K, LED: 3500 K
Center Illuminance	LED: ≤0.1 lx, illuminates up to 20 m on average ≤10 lx, limited illumination after 20 m ≤ 80 lx, limited illumination after 20 m for strobe flash Xenon: ≤ 4,000 lx
Trigger Mode	Measures the number of times the illuminator is turned on and off.
Light Spot Coverage	1 lane
Illumination Distance	16 m-26 m (52.49"-85.30")
Recycle Time	Xenon ≤70 ms, LED ≤20 ms
Xenon	
Exposure Index	64 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
LED	
Frequency	100Hz/120Hz
LED Quantity	24 high-brightness LEDs
Luminous Flux	1,000 lm
Color Rendering Index (CRI)	>69
Strobe Pulse Width	0-3 ms
Strobe Delay	0-4 ms
Flash Pulse Width	0-5 ms
Flash Delay	0-6 ms
Strobe Time	Measures how long the light remains on when it flashes.
Lens Illuminating Angle	10° × 10°
Function	
Operating Mode	Supports strobe and flash.
Status Indication	Displays the status of the illuminator, showing if it is online or offline.
IR/White Light Switch	Yes
Cascading	Supports strobe cascading
Remote Failure Display	Displays the status of the illuminator on the webpage of the camera, such as the normal and fault status.
Brightness	The brightness level can be adjusted across the following ranges: Xenon: From level 1–16. LED strobe: From level 1–20. LED flash: From level 1 to 255.
Anti-dazzling Processing	Yes

Snapshot and Illumination Synchronization	Yes, supports snap and illumination synchronization
Recording and Illumination Synchronization	Yes
False Triggered Signal Blocking	Yes
Port	
Flash Light	1
Strobe Input	1
Strobe Output	1
RS-485	1
General	
Power Supply	220 VAC ± 20%, 50 Hz ± 2 Hz
Power Consumption	Average: <100 W(@1 flash/s), max: <1000 W LED: <40 W
Operating Temperature	−40 °C to +70 °C (−40 °F to +158 °F)
Storage Temperature	−40 °C to +70 °C (−40 °F to +158 °F)
Operating Humidity	10%–90% (RH), non-condensing
Storage Humidity	10%–90% (RH), non-condensing
Protection	IP66
Anti-corrosion Level	Basic Protection
Product Dimensions	452.0 mm × 279.0 mm × 279.0 mm (17.80" × 10.98" × 10.98")
Packaging Dimensions	510.0 mm × 350.0 mm × 355.0 mm (20.08" × 13.78" × 13.98")
Net Weight	5.3 kg (11.68 lb)
Gross Weight	6.5 kg (14.33 lb)
Installation	Universal joint installation

Ordering Information		
Type	Model	Description
All-in-One Multifunction Illuminator	DHI-ITALF-300AG-GLGS	All-in-One Multifunction Illuminator
Accessories (Optional)	8019	3-dimensional universal mounting bracket (purchase separately)
	3012	Side Mounting Bracket (purchase separately)
	PFA150	Mounting Bracket (purchase separately)

Accessories

Optional:



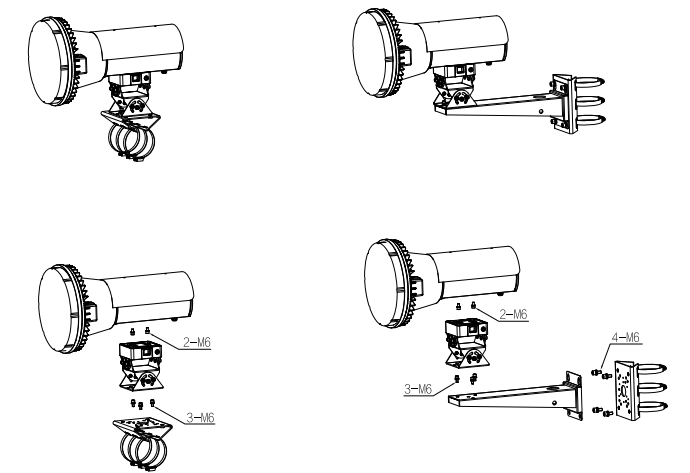
8019
3-dimensional universal mounting bracket
(purchase separately)



3012
Side Mounting Bracket
(purchase separately)



PFA150
Mounting Bracket
(purchase separately)



Dimensions (mm [inch])

