All-in-one intelligent illuminator

Product manual

To customers

Dear customers：

We sincerely thank you for purchasing our products. In order to ensure the best working condition of this product, please read the Product Manual carefully before operation. This manual is applicable to All-in-one intelligent illuminator series products.

Safety precautions

◆ Please strictly abide by the local electrical safety standards;

◆ Please check whether the power supply is correct before equipment operation;

◆ Please transport, use and store the equipment within the allowable humidity and temperature range;

◆ It is recommended to cooperate with the lightning protector to use this equipment to improve the lightning protection effect;

◆ In case of abnormal operation, the power supply shall be cut off first, and then put into use after troubleshooting;

◆ There is high voltage inside, please do not disassemble it at your own risk, and disassemble the casing without warranty;

◆ After the user opens the package, please carefully check whether the equipment is consistent with the order, and confirm whether the appearance is damaged. If it is damaged, please contact us immediately.

Important clause

◆ The product shall be subject to the real object, and the manual is only for reference;

◆ Incorrect or improper operation will cause product damage. To avoid personal injury and product damage, the operator must use the product in strict accordance with the relevant instructions;

◆ The instructions and procedures will be updated in real time according to the product, and no further notice will be given in case of any upgrade;

◆ If the operation is not carried out according to the instructions in the manual, any loss caused thereby shall be borne by the user himself;

◆ The manual may contain technical inaccuracies, or areas inconsistent with product functions and operations, or printing errors, which shall be subject to the final interpretation of the company.

Scope of application

◆ It is suitable for video monitoring and picture light supplement of various cameras;

◆ Typical applications: video monitoring and picture lighting of electronic police, traffic checkpoints, speed measurement, parking lot entrance and exit capture, license plate recognition, face recognition and other systems;

◆ Public places such as parks, squares and other places that need lighting.

Warning

★ **During installation,the equipment must be well grounded and grounded with the camera to avoid false triggering caused by signal interference!**

Ⅰ. Product Overview

The All-in-one intelligent illuminator is an environmental protection lamp for traffic monitoring integrating high brightness LED light source and xenon tube light source, which can realize LED strobe, LED flash, white light gas flash and other functions. The product adopts independently designed appearance, heat dissipation structure of lamps and constant current drive control mode. It uses high-power LED chips and long-life gas lamps as light sources. Through professional optical design, the light intensity is evenly and effectively distributed to achieve the overall highlight effect, providing professional light compensation for video monitoring, vehicle and pedestrian target detection and capture. This series of fill light also has flexible software configuration function, and the brightness can be adjusted during the day and night, which can perfectly match with the mainstream capture cameras in the market to achieve the best effect. The products can be widely used in electronic police, security checkpoints, road monitoring and other systems.

Ⅱ. Parameter index

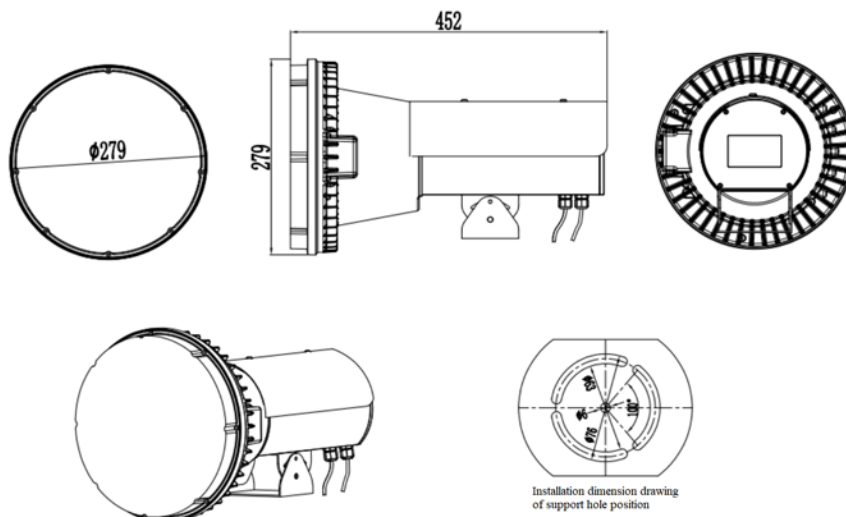| Parameter	Specifications
Power supply voltage	AC220V±20%、50HZ
Light source type	LED（24pcs）, xenon Infrared light
Gas flash color temperature	5500K～6500K
LED wavelength	840nm/850nm/950nm
Led strobe power	Multistage adjustable
Trigger mode	Xenon flash switch trigger, LED flash level trigger, LED strobe level trigger
LED lighting mode	Support strobe and flash
Working life	≥ 10 million times（Once per second）
Brightness adjustment function	Adjustable through RS485
RS485 serial port function	Support RS485 parameter adjustment and software upgrade function
False trigger protection function	Multi-level adjustable
Flash counting function	YES
Working environment temperature	-40℃～70℃
Protection grade	IP66
Optimum irradiation distance	15～30m
Weight	5.8±0.2KG

Ⅲ. Product Connection Description

1. Product Diagram

Note: The picture is for reference only, subject to the actual object.

2. Product dimension drawing

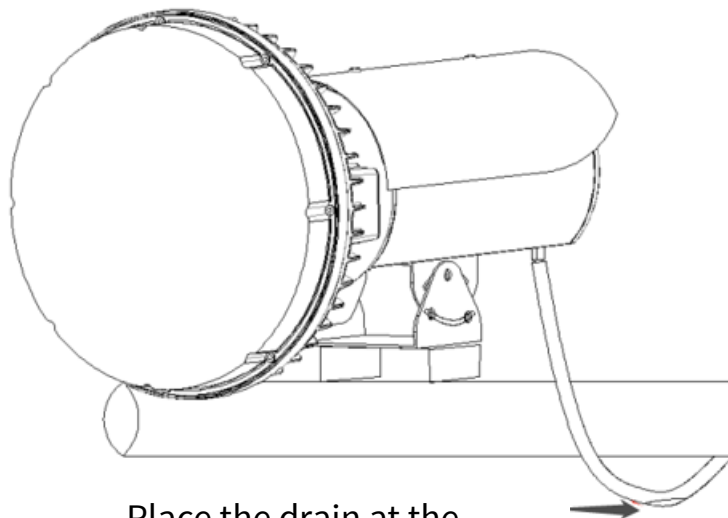Note: Dimension and appearance (unit: mm, please refer to the actual situation)

3. Definition of product wiring ports

● line wiring instructions

Brown	AC220V L
Blue	AC220V N
Yellow Green	PE
Yellow	Xenon flash switch signal+
Green	Xenon flash switchsignal-/flash level signal+
white	LED strobe switch signal+
BLUE	LED strobe switch signal-/level signal+
Black	All level signal- /GND
Purple	Adjust Flash brightness/ flash level signal+
Red	RS485+
Gray	RS485-

IV. Installation considerations

★ When installed, the fill light must be reliably grounded (the yellow-green wire in the power line is reliably connected to the ground)

★ When installation, fill light must be with the camera, to avoid signal interference caused by false trigger!

★ During installation, the cable exposed outside the patch lamp shall be protected by bellows. After installation, the bellows should be installed at the lowest outlet.

★ As shown in the following diagram!

Place the drain at the

bottom of the bellows

Product Warranty Card

Warranty：

1. When the warranty period, due to the fault caused by the product itself, please contact the company's after-sales service.

2. After purchasing the machine, please mail or fax the completed warranty card in time to enjoy free maintenance and replacement, otherwise it will not be processed.

3. We will use your warranty card information when warranty, please fill in carefully.

4. The following cases are covered by paid warranty：

   - Equipment failure caused by human error;

   - Due to the use of the environment does not meet the requirements of this product caused by failure;

   - Human-caused equipment failure, force majeure product damage;

   - No product serial number, warranty card, or product serial number and label are not clear/broken/unidentifiable;

   - The warranty has expired.

Product warranty card

Please fill in the following information carefully：

Product name：_____   date of purchase：_____

Serial number：_____   user name：_____

address：_____   contact person：_____

tel：_____   postcode：_____

dealer：_____   fax：_____

tel：_____   contact person：_____

Pack list

1. fill light   1pcs