

IR ILLUMINATOR USER MANUAL

Document Control

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Thank you for purchasing our product! To make sure the product could have good performance and work stable, you should know more about the product. Please read this working instruction carefully before operation.

■ Introduction

Feature

Precise secondary optical technology, excellent luminous efficiency, more uniform illumination

Housing

Patent design, easy installation, direct cooling, excellent heat dissipation

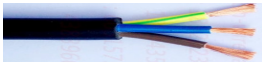

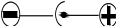
Usage

Improve night-time images of CCTV camera

Application

Intelligent traffic, toll gate, parking lot, security surveillance and other occasions for fill light

■ Technical Specifications

Wavelength	White light: 450~465nm, color temperature 5500K-6500K Infrared light: 850nm is standard, 740nm/940nm can be customized
Beam angle	15°, 30°, 45°, 60°, 90°, 120° (see label)
Distance	Short range (0-50m) Medium range (50-100m) Long range (100-200m) Extra long range (more than 200m)
Operate method	Built-in light sensor (10lux-20lux), constant lighting, customized
Power supply	DC 12V / PoE / AC 24V / AC 110~220V
Power consumption	AC24V/DC12-24V label with input voltage(V) and current(A) AC110-220V label with input voltage(V) and power consumption(W) PoE label with power consumption(W)
Cable length	AC110-220V: 120cm, country standard plug/no plug, 3pin Blue line-Null line, brown red line-Live line, yellow green line-Ground line  AC24V/DC12-24V: DC plug 5.5*2.1mm, 45cm  AC24V: the lines are both positive and negative DC12V: the lines has positive and negative  PoE: RJ45, 45cm
Cooling method	Direct cooling, air cooling internal circulation
Protection level	IP65 or above IP65
Color	Black / White / Beige / Silver / Grey
Installing bracket	Universal U type bracket
Installation method	Universal tripod, PTZ, universal joint
Ambient temperature	-20° to 50° C, -40° to 50° C
Ambient humidity	10-90%RH

Front panel Toughened glass, PC

Body construction Die casting aluminum

*Detail specification are subject to the model purchased.

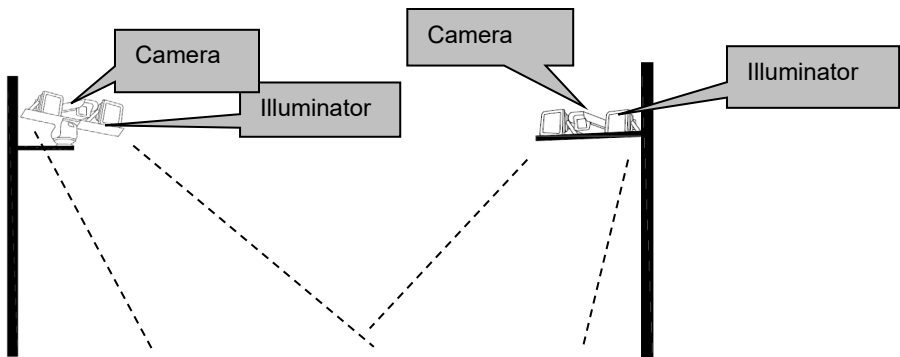
■ Focal length, angle and distance (Refer Chart)

Optimum distance in relation to the focal length, angle and camera lens based on a 1.7m object occupying 1/4 height of the screen.

Focal length(mm)	Lens Aperture	Close-up distance(m)	Image sensor size	Horizontal viewing angle	Optimum distance(m)
75~80	F/1.8	0.2	1/3"CCD	4°	150m
60~75	F/1.8	0.2	1/3"CCD	4°~5°	120m
50~55	F/1.8	0.2	1/3"CCD	5°	100m
40~45	F/1.8	0.2	1/3"CCD	6°	80m
35~40	F/1.7	0.2	1/3"CCD	7°	70m
30~35	F/1.7	0.2	1/3"CCD	12°	60m
25~30	F/1.4	0.2	1/3"CCD	12°	50m
20~25	F/1.4	0.2	1/3"CCD	14°	40m
16~20	F/1.4	0.2	1/3"CCD	17°	30m
12	F/1.4	0.2	1/3"CCD	22°	25m
8	F/1.4	0.2	1/3"CCD	33°	20m
6	F/1.2	0.2	1/3"CCD	51°	10m
4	F/1.2	0.2	1/3"CCD	76°	8m

- * Focal and angle can be calculated according to the Chart. The distances and performance depend on camera/lens used and on the environmental conditions.
- * To achieve the distance needed please have a sample testing before mass purchase.
- * Specifications subject to change without notice.
- * LED performance is subjected by the camera and lens using, please test a sample before purchase in bulk.

■ Installation Graph



■ Installation Instruction and Warning

1. The product includes fragile parts. Take care on every transportation steps and hold carefully, do not stress!
2. Make sure the installation position can takes 10 times the weight of product
3. Don't turn on the power of product before installation is done to avoid electric shock, the outlet of power wire should be installed downward.
4. Through the installation hole on the mounted bracket, the product can be directly fixed on pole or surface by screws..
5. Adjust the angle of product by loosening screws on bracket, camera and illuminator should be installed to the same horizontal and vertical direction.
6. Link power wires tightly and make it waterproof to avoid electric shock.
7. Connect with extra power wire should make it waterproof at the same.
8. Don't use against any fire precaution rules during operation.
9. Installation requested professional operation and qualified personnel.

10. Before power on, make sure the input voltage is the same as required voltage showing on label to avoid damage of product.
11. If the product voltage is above safety voltage 36V, please install it away from crowd, dispose the grounding of earth wire and make sure lightning protection is done.
12. To ensure the life time of product, please do not install in salt, acid, fog environment.
13. Connect our person if you need additional parts for installation.

Maintenance

1. Cut off power before maintenance.
2. Clean the glass regular to get better transmission of light.
3. Clean the housing to get well heat dissipation performance.
4. Clean by dry dishcloth, don't use water or strong corrosive solution.