

### NAV-A12IR - IR Illuminator

Deliver high power white light for CCTV & IP camera at night time and improve performance of camera to get colorful pictures.



### Product Features

- Precise secondary optical technology

The latest LED technology assures outstanding performance of LED with excellent luminous efficiency and more uniform illumination

- Independent innovation of high efficiency power drive schemes

Low failure rate of products is guaranteed because of professional in-house optimized independent circuit technology widely used in our LED illuminators for more than 5 years

- High thermal conductivity aluminum

Excellent thermal management not only reduces excess heat and brightness decay of LED but also ensures efficient, reliable and continuous operation of LED throughout its lifetime as 50,000 hours.

- Power factor correction technology

All illuminators are featured by energy saving circuit with low power consumption.

- Thinner and lighter design

Our patent owned housing is designed for simple installation and easy operation to reduce construction difficulty.

- Warranty period

2 year warranty

### Basic Function

•To improve performance of the weak light camera, thereby enhancing the picture effects at night.

- Conventional night monitoring
- The function of video analysis at night
- Reduce signal noise and other image distortion
- Reduce the network bandwidth requirements
- Energy saving by power factor correction
- Reduce the equipment cost
- Lower cost of installing and wiring
- Indoor and outdoor use

### Viewing picture at night



With IR light



Without IR light

## NAV-A12IR

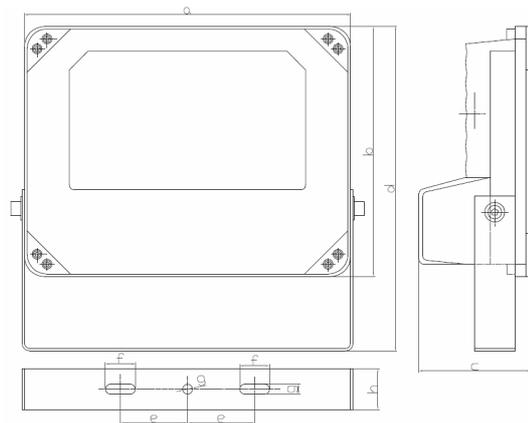
## Product Certificate



### Technical Specification

### Drawing

LED type: 12 pieces high power IR LED  
Wavelength: 740nm/850nm/940nm  
Beam angle: 45 to 90°  
Beam distance: 65m to 110m  
Bracket: wall mount bracket  
Working voltage: 85-265V AC/12-24V DC/24V AC  
Power consumption: 28W  
Day/night switch: automatic  
Working temperatures: -30 to 50°C  
Protection level: IP66  
Color: beige  
Panel: tempered glass panel  
Housing: aluminum die-casting housing  
N.W: 1.7KG  
G.W: 2KG  
Dimension: 221\*172\*90mm  
Packing dimension: 250\*200\*120mm



a: 221mm b: 172mm  
c: 90mm d: 232mm  
e: 54mm f: 24mm  
g: 8mm h: 33mm

### Model for Selection

Model	Beam angle	Viewing distance
NAV-A12IR110/45	45°	110m
NAV-A12IR80/60	60°	80m
NAV-A12IR65/45	90°	65m

\*Viewing distance is tested by Sony 1/3 CCD Camera with 0.01LUX.

To achieve the distance needed, please pay attention to your camera specification and lens before purchase. It is normal phenomenon that distance may vary due to different cameras and lens.