IT-SH301L-IIR

With 30 high power LEDs for a total power consumption of 37W, beam angle 10° to 120°, beam distance 260m to 50m, the IT-SH301L-IIR is an IR Illuminator with a high service of life.

- Wavelength 740nm/850nm/940nm.
- 50.000 hours lifetime LEDs.
- Extended working temperature range -20 to 50°C.
- 1-5 years warranty.

Product Family

The IT-SH301L-IIR is part of the high-power Intelligent IR Illuminators series that is the quality LED light source solution for night-time illumination, providing high-power infrared light for CCTV and IP cameras to enhance night-time visual performance.

Professional Design

- Two stages of constant current circuit avoid LEDs away from instantly impulse impact when started.
- 50% design margin and accurate constant current circuit drive not only develop excellent performance of LED but maintain whole product a super long life of 10 years.
- Low failure rate of products is guaranteed by the professional in-house optimized independent circuit technology, which has been widely used in the illuminators for more than 5 years.
- Wide edge of silica gel circle and water stop line ensure IP66 waterproof and dustproof level.
- Twice direct cooling heat sink processing enable to increase the cooling coefficient and prolong the service life of the product.
- Patent design hexagonal spherical light sensor more accurately responses ambient brightness and improves accuracy of automatic light control.
- Flexible angle-adjustable bracket can extend the illuminance range widely.
- Robust cooling fin design permits the infrared illuminator to operate from -40℃ to 50℃.
- Super energy saving circuit with low electrical power consumption.

Qualified Materials

- Super power dot-matrix infrared light LED with strong light effect, long service life and low light decline.
- High efficient twice optical lens processing achieves 90% of the luminous efficiency.
- The housing adopts high thermal conductivity aluminum to enhance heat dispersion property.
- Stainless steel bracket and screw ensure low maintenance.

Wide Range of Applications

Recommended for security at ports, railway systems, border, prisons, traffic LRP/ANPR, ITS, as well as large public places surveillance.

Basic Functions

- ➢ *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.*

Technical Specifications

LED type: 30 pieces 2W dot-matrix IR LEDs
Wavelength: 740nm/850nm/940nm
Voltage: AC85-265V/DC12V/AC24V
Power consumption; 37W (850nm) /adjustable
Day & Night switch: Auto/adjustable
Cable length: 1.3m
Mounting: Wall mounting "U" bracket
Temperature: -40℃ to 50℃
Grade of protection: IP66
Color: Black
Housing: Aluminium
Panel: High light transmittance toughened glass
Net weight: 3.3 kg
Gross weight: 3.75 kg
Dimensions: 208*206*117mm
Packing dimensions: 300*260*200mm

Models for Selection

Model	Beam angle	Viewing IR distance
IT-SH301L-10-IIR	10°	260m*
IT-SH301L-15-IIR	15°	200m*
IT-SH301L-30-IIR	30°	150m*
IT-SH301L-45-IIR	45°	90m*
IT-SH301L-60-IIR	60°	70m*
IT-SH301L-90-IIR	90°	60m*
IT-SH301L-120-IIR	120°	50m*

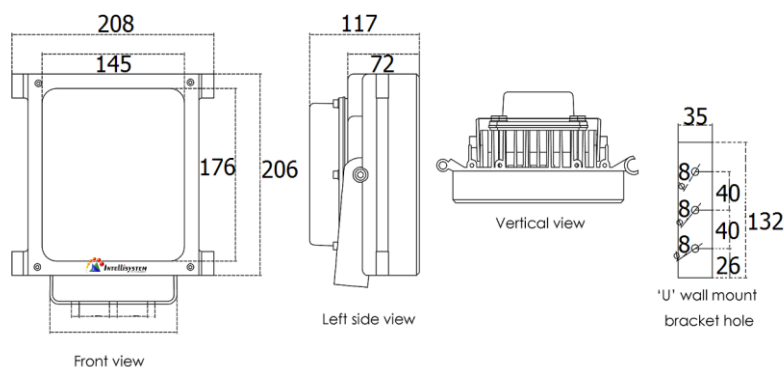*Viewing IR distance is tested by Sony 1/3 CCD Camera and 850nm IR LEDs.*

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

Remote Control

· **Adjustable of light sensitive to 25%, 50%, 75% and 100%.**
· **Adjustable of power from 10%-100%.**
· **0-8m remote control distance.**

Mechanical Drawings

208
145
176 206
117
72

Front view

Left side view

Vertical view

35
8⌀
8⌀
8⌀
40
40
26
132

'U' wall mount
bracket hole

Viewing Picture at Night

With IR

Without IR