IT-SHZ58-IR

With 6 high power LEDs for a total power consumption of 12W, beam angle 15° to 90°, beam distance 130m to 20m, the IT-SHZ58-IR is a high service of life Camera Housing with built-in IR Illuminator.

- Wavelength 850nm.
- 30,000 hours lifetime LEDs.
- Extended working temperature range -40 to 60°C.
- 1-2 years warranty.

Product Family

The IT-SHZ58-IR is part of the High-Power Camera Housing with built-in IR Illuminator 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.
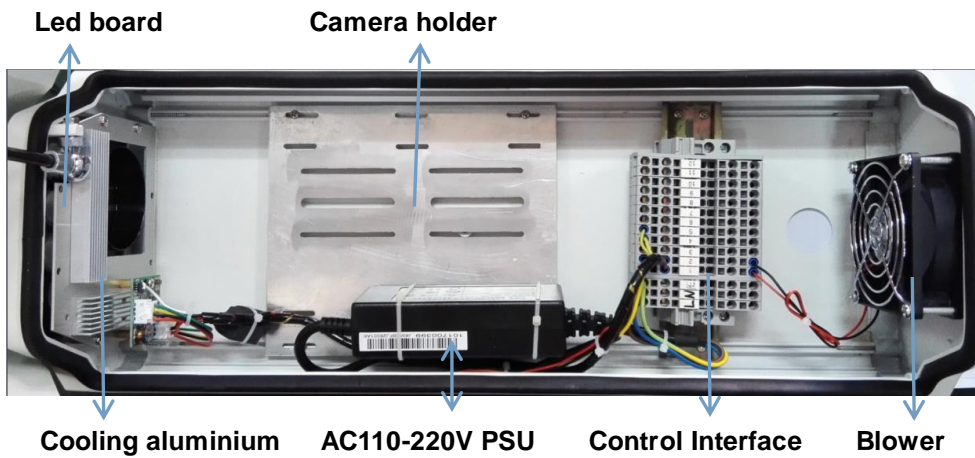
Product Features

- Smart uniform irradiation solution improves image quality & monitoring effect.
- Leading IR technology provides high efficiency and long life span of LEDs.
- Accurate constant circuit drive develops excellent performance of product.
- Full light for night vision camera.
- Indoor/outdoor use, all-weather use.
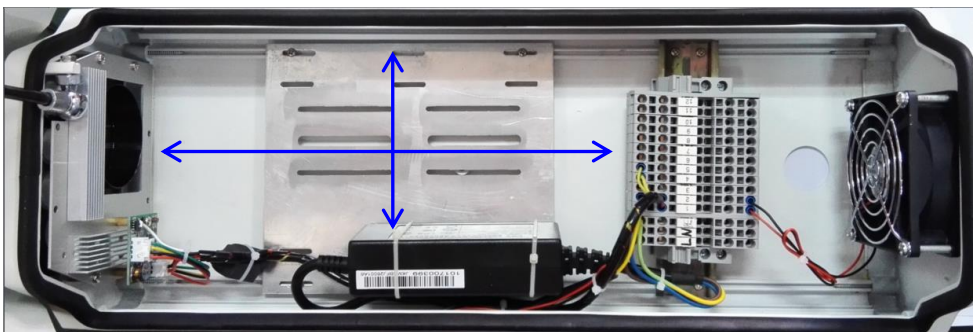- High integrated solution for easy installation and saving cost.

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.

Camera Installation and Adjustment

1. Internal picture

Led board   **Camera holder**

Cooling aluminium   **AC110-220V PSU**   **Control Interface**   **Blower**

2. Dimensions of internal space

Lens size: φ57mm
Length: 20mm (φ57mm) + 260mm (from led board to control interface)
Width: 90mm + 20mm (power board)
Height: 10mm (camera holder to bottom of lens) + 57mm (lens) + 35mm (top of lens to top of led board) + 8mm (top of led board to top of housing)

3. Control interface

Description	Line Color
L Port - Input AC110-220V Live Line	brown color
N Port - Input AC110-220V Null Line	blue color
PE Port - Earth Line	green color
1 Port - Output DC12V +	
2 Port - Output DC12V -	

Camera Housing Installation

- The product includes fragile parts. Take care on every transportation steps and hold carefully, do not stress!
- Ensure operating voltage and current are proper before installation.
- Install the product on the holder by fixing the mount hold with screws directly.
- Adjust the angle of product by loosing screws on bracket.
- Link power wires tightly and make it waterproof to avoid electric shock.
- Connect with extra power wire should make it waterproof at the same.
- The outlet of power wire should be installed downward.
- Don't use against any fire precaution rules during operation.
- Installation requested professional operation and qualified personnel.
- Connect our sales person if you need additional parts for installation.

Technical Specifications

LED type: 6 pieces 2W High Power IR LEDs
Wavelength: 850nm
Beam angle: 15°- 90°
IR distance: 130m-20m
Day & Night switch: CDS 10-20 lux ± 10%

Input voltage: AC110-220V
Output voltage: DC12V 2000mA
Power consumption: 12W
Panel: Tempered glass panel
Housing: Aluminum die casting housing
Bracket: Bottom mount bracket
Working temperature: -40℃ to + 60℃ (-50℃ to +60℃ with heater)
Cooling: Air cooling internal circulation
Blower: Included
Protection level: IP66
Color: Beige
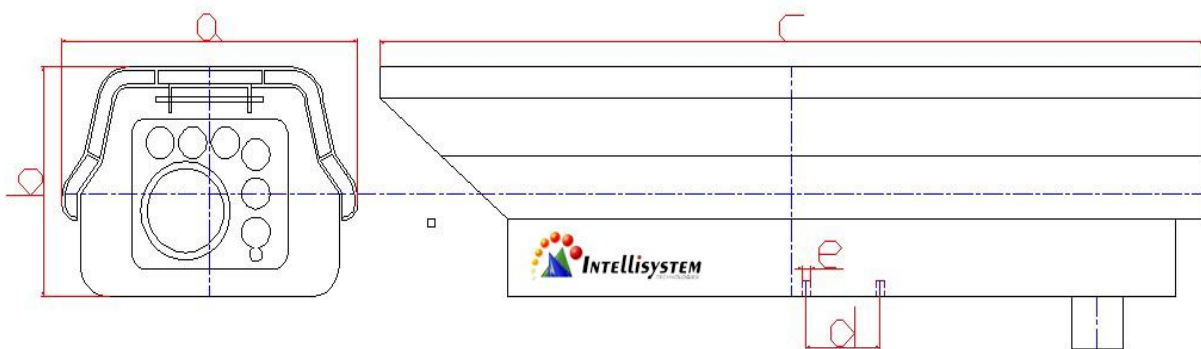**Net weight:** 4.8 kg
Gross weight: 5.4 kg
Packing dimensions: 612*243*200mm

Models for Selection

Model	Beam angle	Viewing IR distance
IT-SHZ58-IR-15	15°	130m
IT-SHZ58-IR-30	30°	90m
IT-SHZ58-IR-45	45°	70m
IT-SHZ58-IR-60	60°	60m
IT-SHZ58-IR-90	90°	20m

*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.

Mechanical Drawings

a: 206mm   b: 142mm   c: 580mm   d: 52mm   e: 6mm

Viewing Picture at Night

With IR   Without IR