

# IT-SS3806-IR

*With 6 high power LEDs for a total power consumption of 9W, beam angle 15° to 90°, beam distance 80m to 10m, the IT-SS3806-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 -20 to 50°C.
- 1-2 years warranty.

## Product Family

The IT-SS3806-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.

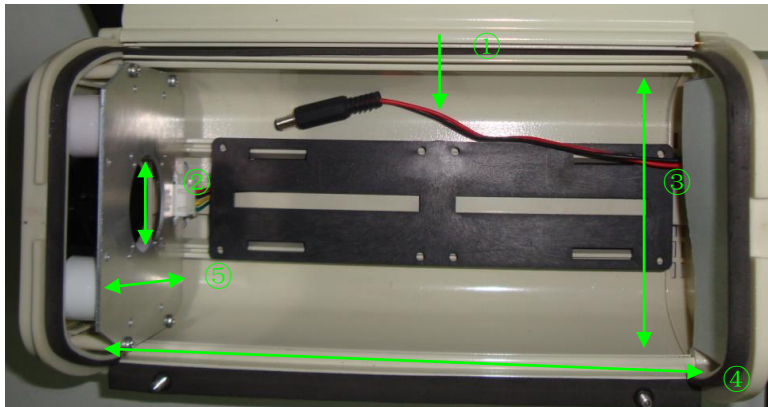
## Product Features

- Accurate constant circuit drive develops excellent performance.
- Using high power LEDs to guarantee high efficacy and long service life.
- Full light for night vision camera.
- Indoor/outdoor use.
- Easy 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.

## Camera Housing Internal Structure



1. **DC12V cable:** supply to camera
2. **Diameter:** 40mm  $\pm$ 1mm
3. **Width of camera:** 90mm  $\pm$ 1mm
4. **Length of camera:** 220mm  $\pm$ 1mm
5. **Height of camera:** 80mm  $\pm$ 1mm

## 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 loosening 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:** 80m - 10m (850nm)

**Day & Night switch:** CDS 10-20 lux  $\pm 10\%$

**Input voltage:** AC110-220V/DC12V

**Output voltage:** DC12.3V  $\pm 5\%$  (supply to camera)

**Output current:** 400mA  $\pm 5\%$  (supply to camera)

**LED power consumption:** 9W  $\pm 5\%$  (850nm)

**Panel:** Glass panel

**Housing:** Aluminum with plastic housing

**Working temperature:** -20°C to +50°C (-50°C to +50°C with heater)

**Protection level:** IP65

**Color:** Beige

**Net weight:** 1.25 kg

**Gross weight:** 1.7 kg

**Dimensions:** 145\*370\*116mm

**Packing dimensions:** 160\*430\*155mm

**Bracket (optional)**

**Material:** Aluminum Alloy

**Size:** 310\*98\*85mm

**Net weight:** 0.3 kg

**Gross weight:** 0.5 kg



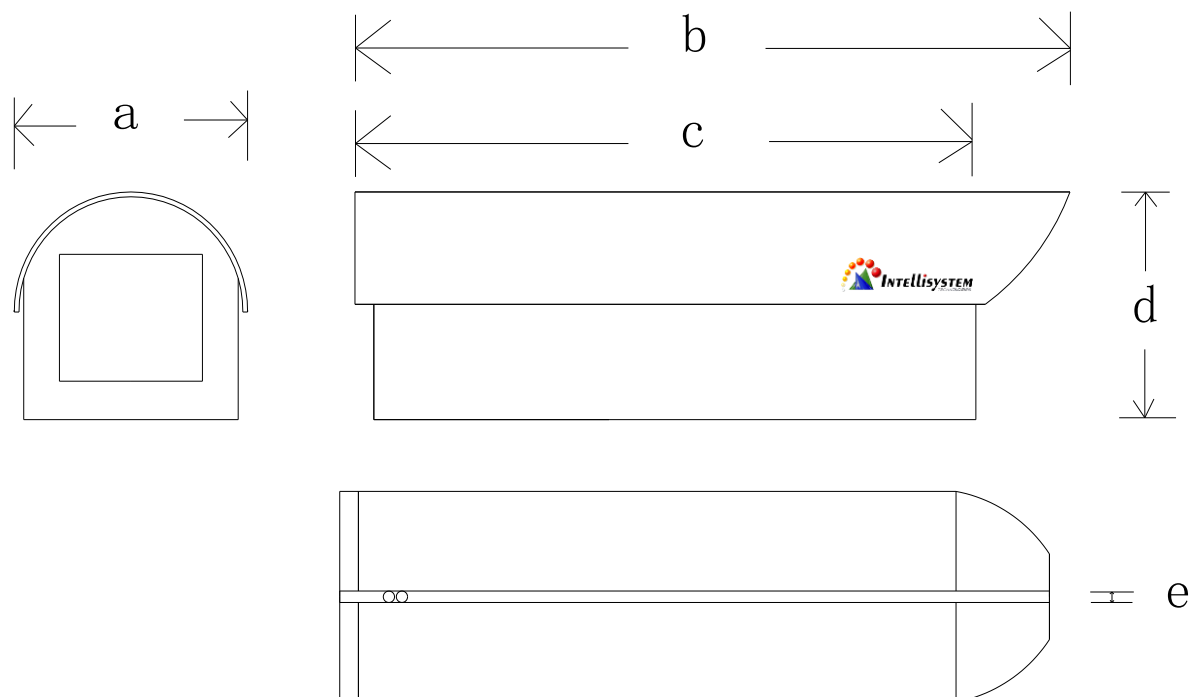
## Models for Selection

Model	Beam angle	Viewing IR distance
IT-SS3806-IR-15	15°	80m
IT-SS3806-IR-30	30°	60m
IT-SS3806-IR-45	45°	40m
IT-SS3806-IR-60	60°	25m
IT-SS3806-IR-90	90°	10m

*\*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: 145mm    b: 370mm    c: 343mm  
 d: 116mm    e: 6mm

## Viewing Picture at Night



With IR



Without IR