

## Main Features

- **Auto Gain control (AGC)**

Built-In Auto gain control circuit.  
The color camera can get high definition picture in low Lux condition.

- **Auto Electronic Shutter**

Built-In auto electronic shutter function  
The color camera's AES speed can reach 1/100,000s.

- **Gama Characteristic**

Camera Gama Characteristic is 0.45

- **Scanning Mode**

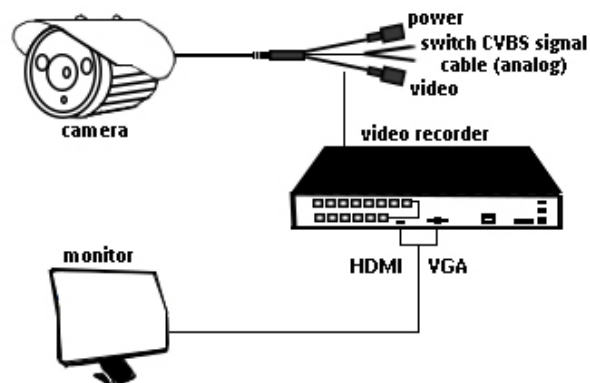
NTSC or PAL mode.

Power supply must pass safety certification and its output,current, voltage polarity and operating temperature must meet requirement for this equipment.

Please install lightning protection devices or cut off the power in thunder and lightning conditions

To capture high-quality video and pictures,please make sure the network connection is stable and smooth.

## Device connection



## Safety Instructions

1. Before Using the camera, please read this manual and it for later reference.
2. Installation should be done by professional service and follow manufacturers instructions.
3. Do not expose lens to intense light for long periods of time.
4. Do not touch sensor directly, use dust proof covers when camera is not in use.
5. Use a dry soft cloth to clean the camera, if needed a mixture of detergent and water may be used to wipe the lens clean.
6. Do not install near vents to prevent moisture build up.

## Specifications

| Model#: TVIOB-SB1IRE  |                                     |
|-----------------------|-------------------------------------|
| Camera                |                                     |
| Image Sensor          | NTSC 1/4" APTINA 1.0MP CMOS         |
| Image Resolution      | 720P/960H                           |
| Effective Pixels      | 1.0MP, 1280x720                     |
| TV System             | PAL/NTSC                            |
| Electronic Shutter    | 1/25s~1/50,000s, 1/30s~1/60,000s    |
| S/N Ratio             | ≥50dB                               |
| Scanning System       | Progressive Scan                    |
| Lens                  | 3.6mm/F2.0 fixed                    |
| Infrared LED          | 14μx24PCS                           |
| Infrared Distance     | 65 feet (20M)                       |
| IR Cut Filter         | Yes                                 |
| IR Status             | Under 10 Lux by CDS                 |
| IR Power On           | CDS Auto Control                    |
| Functions             |                                     |
| Day/Night             | Auto (ICR) / Color / B&W            |
| OSD Menu              | No                                  |
| White Balance         | Auto                                |
| Gain Control          | Auto                                |
| Noise Reduction       | 2DNR                                |
| Weatherproof          | IP66                                |
| Other                 |                                     |
| Power Supply          | DC 12V±10%, 500mA                   |
| Power Consumption     | < 5.6W                              |
| Operating Environment | - 10 °C ~ 50 °C (95 % humidity Max) |
| Dimensions ( in )     | 6(W) x 2.5(H) x 2.6(D)in            |
| Weight                | 700g                                |

