

WS-302 (TX-RX)

Video Balun UTP Transmission 1 Channel

Technical Specification

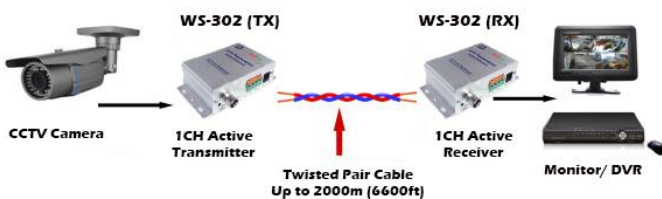


Key Features

- ▶ Full motion CCTV video at long distance.
- ▶ Built-in linearity, Sharpness and Chroma control.
- ▶ To ensure image transmitting quality and solve the problem that the quality of coaxial cable cause or long distance transmission cause color or synchronize signal lost.
- ▶ To transmit image via UTP (Unshielded Twisted Pair). UTP is cheap and soft and Easy to install. The cost are saved a lot.
- ▶ To solve the problem of longer distance and signal transmission.
- ▶ Outstanding interference rejection and Lower radicalization. The unit is Lightning proof and has resisting Surge functions. Even in strong interference environment, the unit can transmit image in high quality.
- ▶ To improve image quality and reduce noise.

| Model | WS-302 (TX-RX) |
|---------------------------------|--|
| Video | |
| Video | 1 Channel Video (Active) |
| Frequency response | DC-6MHz |
| Video Mode | Common-mode: 15HKz ~ 6MHz 60dB typ. Differential-mode rejection: 15HKz ~ 6MHz 60dB typ. |
| Audio | |
| Audio | - |
| Data | |
| Data | 2 Channel Data/ Power |
| Cable | |
| Wire Type | 24AWG UTP CAT5 |
| Impedance | 100Ω ± 20% |
| DC loop resistance | 18Ω/100M |
| Differential Capacitance | 62pf/M (Max.) |
| Impedance | |
| BNC Coaxial | 75Ω |
| UTP/Connector | 100Ω |
| RJ45 | 100Ω |
| Control | |
| Receiver | 4 range distance at option; adjustable brightness & sharpness |
| Transmitter | Adjustable gain |
| Distance | |
| Black & White (ft.) | 8400 |
| Color (ft.) | 6600 |
| General | |
| Power | DC 12V <80mA |
| Surge Suppression | 6000V 12μS x 50μS |
| Dimensions | 90 x 60 x 28 (Cm.) |
| Weight | 130g. |
| Environment | |
| Temperature | 0°C ~ +50°C |
| Humidity | 0% ~ 95% |

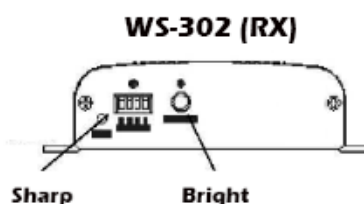
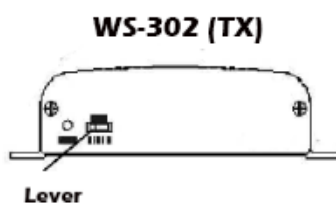
Connection Diagram



Setting According

3 kinds of image gain setting according to different distance

- 0-4500ft
- 4500-6000ft
- >6000ft



Summary

The unit is a device that allows the transmission of real-time monochrome or color video over Unshielded Twisted Pair telephone wire. Enabling reactance equally to zero, it transforms the video signal into an identical signal but with opposite polarized magnetic fields. With unparalleled common interferences rejection, the unit can transmit image in high quality even in strong interference environment. It is ideal for a wide variety of applications such as security, surveillance, video conferencing, elevator surveillance, and PTZ control signals.