

WS-413 (TX-RX)

Video Balun UTP Transmission 1 Channel

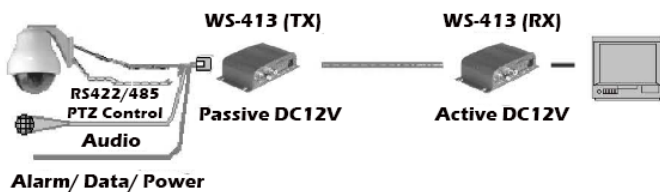
Technical Specification



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.

Connection Diagram



Model	WS-413 (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	1 Channel 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%

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.

RJ45 Instruction

