Balun-4PHUB 4CH Passive Video Balun for CCTV

The Balun-4PHUB is a 4 channel passive video balun that converts analog CCTV video signal into a balanced signal to be transmitted on common unshielded twisted pair wire (Cat5 or greater) Using a pair of 4PHUB baluns, installers can transmit analog video from four CCTV cameras simultaneously on an 8-core Cat-5 twisted pair wire. This can simplify the wiring project and save on the cost of wire.

Features:

- Adopt differential signal transmission with excellent anti-jamming ability
- Save project wire expenses, each a pair of twisted pair wire transmits one channel of video signal and one common Cat-5 unshielded twisted pair wire can simultaneously transmit four channels of video signal
- Full-motion CCTV video at distances up to 330m
- Up to 1500m with any active UTP video receiver
- RJ-45 or modular clamp plugs for CAT5 Input
- No power required
- Built-in transient suppression protection

Technical specifications:

- Frequency response: DC-8MHZ
- CMRR (Common Mode Rejection Ratio): 60DB
- Impedance: BNC: 75Ω ; RJ45:100Ω
- Working temperature: -10℃-70℃
- Storage temperature: -30℃-70℃
- Applicable to NTSC, PAL, SECAM and CCIR systems
- External dimension: 105mm*58mm*29mm (With 20cm mini coax cable)

Type of the required wire:

Unshielded Cat-5 or above twisted pair wire (Please use standard Cat-5 or above twisted pair wire. The wire quality will directly affect the transmitted image effect and transmission distance.)

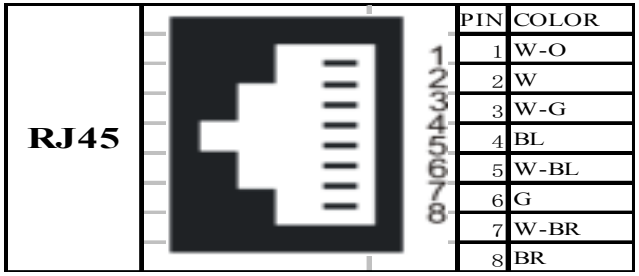
Characteristic impedance: 100Ω±20Ω

DC loop resistance: 18Ω/100m

Differential capacitance: 62pf/m (Maximum)

Connection method：

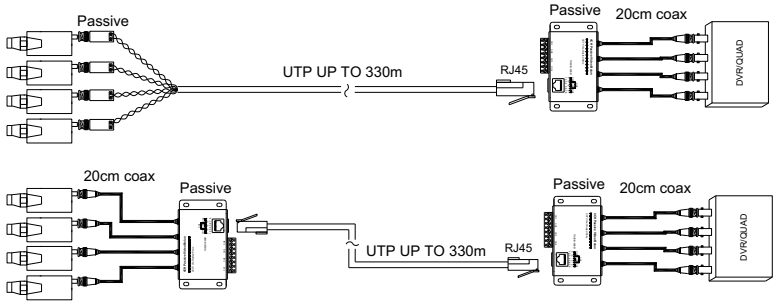
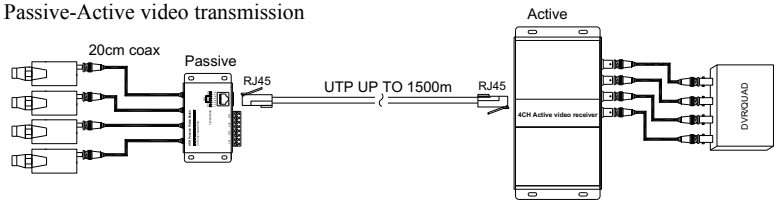
Clamp modular plugs for a Cat-5 unshielded twisted pair wire according to the connection order of TIA/EIA-568B (please refer to the following figure)，connect the clamped modular plugs to the RJ45 sockets，connect the coax to the BNC.



PIN	COLOR
1	W-O
2	W
3	W-G
4	BL
5	W-BL
6	G
7	W-BR
8	BR

Installation Wiring Diagram

Passive-Passive video transmission



Passive-Active video transmission