

## 4CH HD-CVI/TVI/AHD Passive Video Balun

HD Video balun is to convert the video signal into the balanced signal applicable to be transmitted on common Cat-5 unshielded twisted pair wire with perfect transmission effect, which can be applied in the occasions such as video monitoring and video meeting and can transmit four channels of video image simultaneously on an 8-core Cat-5 twisted pair wire. It can simplify the wiring project and save wire use quantity.

### Features:

- ◆Compatible with all HD-CVI, HD-TVI, HD-AHD
- ◆Up to 450m for 720P CVI Cameras
- ◆Up to 250m for 1080P CVI Cameras
- ◆Up to 250m for 720P/1080P TVI Cameras
- ◆Up to 320m for 720P AHD camera
- ◆Up to 250m for 1080P AHD camera
- ◆NTSC, PAL, and SECAM video formats
- ◆No power required
- ◆60dB cross talk and noise immunity.
- ◆Built-in transient suppression protection

### Technical Specifications

- ◆Frequency response: DC to 60Mhz
- ◆Attenuation: 0.5dB type
- ◆CMRR: 60dB
- ◆Surge protection:4KV
- ◆ESD:8KV
- ◆Impedance: BNC: 75ohms,RJ45: 100ohms
- ◆Working Temperature: -10°C to +70°C
- ◆Storage Temperature: -30°C to +70°C
- ◆Humidity : 0 to 95%
- ◆External dimension: 105mm\*58mm\*29mm (excluding connectors)

### 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:  $100\Omega \pm 20\Omega$

DC loop resistance:  $18\Omega/100m$

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.

RJ45		PIN	COLOR
	1	W - O	
	2	W	
	3	W - G	
	4	B L	
	5	W - B L	
	6	G	
	7	W - B R	
	8	B R	

### Application Diagram

#### Passive-Passive video transmission

