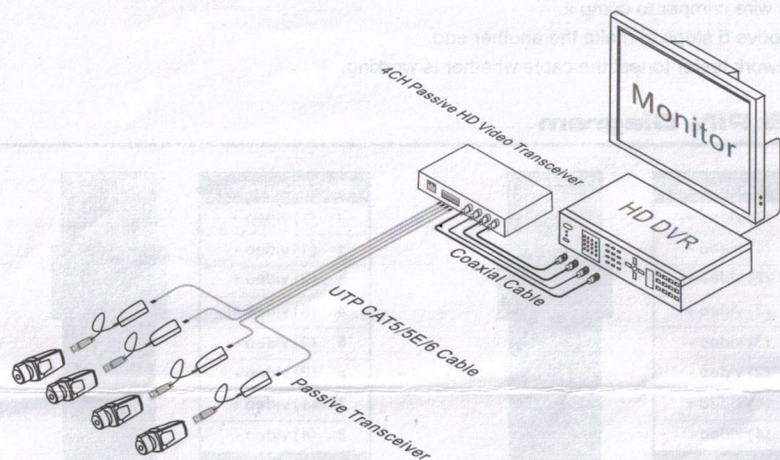


4/8/16CH Passive HD Video Transceiver

The 4/8/16 channel passive (non-amplified) HD video balun/transceiver allows transmission of real-time and high-performance color or monochrome (B/W) CCTV HD video over UTP cable. It can be used as either transmitter or receiver. Featuring compact ID design, it's perfect for multi-point surveillance.

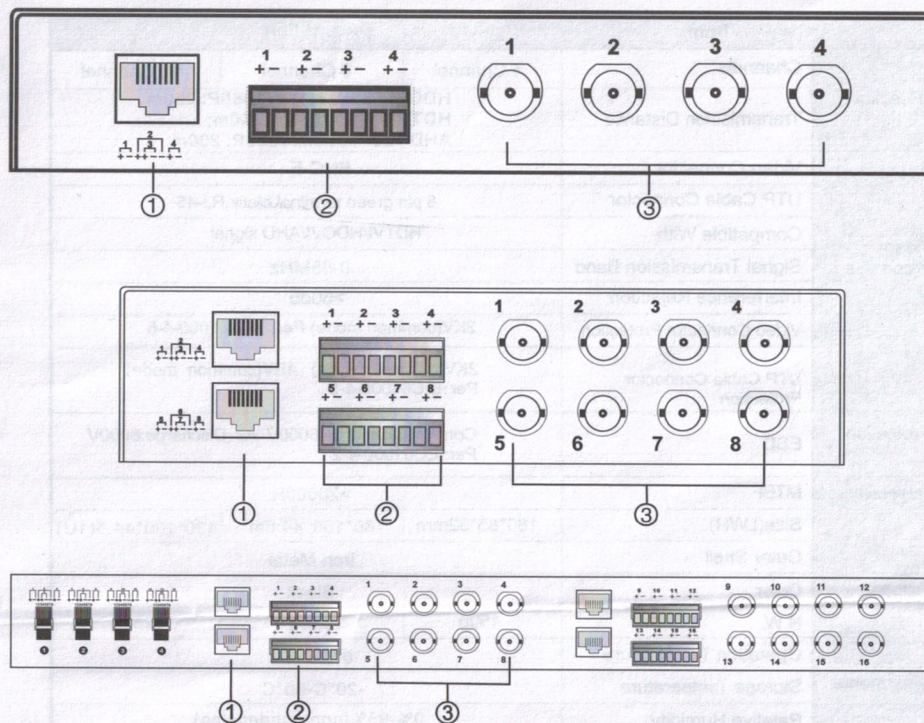
Typical Application



Features

- Compatible with HDTV/HDCVI/AHD signal;
- Color HD video transmission distance (passive to passive):
HDCVI 720P: 400m/1080P: 250m;
HDTV 720P/1080P: 250m;
AHD 720P: 350m/1080P: 200m
- Color HD video transmission distance up to 600m (passive to active);
- Passive, no need for power supply;
- Using CAT 5/E/6 UTP cable;
- RJ-45 or green terminal block to be chosen to connect UTP cable;
- Compact ID design;
- Plug and play, simple installation;
- Super surge protection & interference rejection.
- Real-time transmission, no delay;

Panel Diagram



NO.	Component	Description
①	RJ-45	please refer to "how to make RJ-45 plug"
②	8 pin green terminal block	to connect UTP cable directly
③	BNC-F	for HD video input or output

Note: ① or ② to be choosed

Installation Procedure

Please follow the next installation steps:

- Switch off camera, PC, DVR, IPC and monitor which are to be used;
- If it's used as transmitter, connect cameras with it via BNC cable,
- If it's used as receiver, connect DVR with it via BNC cable;
- Connect transmitter and receiver via UTP cable.
- Power camera, DVR, monitor etc.

Specification

Item		Description		
Function	Channels	4 Channel	8 Channel	16 Channel
	Transmission Distance	HDCVI 720P: 400m/1080P: 250m; HDTVI 720P/1080P: 250m; AHD 720P: 350m/1080P: 200m		
Video Properties	Video Connector	BNC-F		
	UTP Cable Connector	8 pin green terminal block,RJ-45		
	Compatible With	HDTVI/HDCVI/AHD signal		
	Signal Transmission Band	0-65MHz		
	Interference Rejection	>60db		
	Video Connector Protection	2KV(common mode) Per: IEC61000-4-5		
	UTP Cable Connector Protection	2KV(different mode) 4KV(common mode) Per:IEC61000-4-5		
Protection	ESD	Contact Discharge:6000V Air Discharge:8000V Per:IEC61000-4-2		
Reliability	MTBF	>20000H		
Physical Properties	Size(LWH)	180*85*32mm	180*100*44mm	430*100*44.5(1U)
	Outer Shell	Iron Metal		
	Color	Black		
Environmental	N.W.	450g	580g	1250g
	Operation Temperature	0°C-50°C		
	Storage Temperature	-20°C-80°C		
	Relative Humidity	0%-95%(non-condensing)		

Specifications subject to change without notice.

Troubleshooting

If any trouble in installation, please follow these steps:

- Check if it's according to the manual;
- If choose RJ-45,make sure both ends of UTP cable are same(both 568A or both 568B)
- If choose green terminal block,make sure cable of same color be in the same pin;
- Check all connection(like BNC,RJ-45);
- Make sure the real distance not exceeds the allowed transmission distance;
- Make sure the cables are quality;
- Replace the device at question by a normal working device;
- Please contact your vendor if trouble still exists.

How to make RJ 45 Plug

Instruments to be used: wire crimper, network tester.

Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

1. Shuck off about 2cm long the insulating layer, and bar the 4 pairs UTP cable.
2. Depart the 4 pairs UTP cable and straighten them.
3. Line up the 8 pieces of cables per EIA/TIA 568A or 568B.
4. Brunt cut the cables to leave 1.5cm bare wire.
5. Plug 8 cables into RJ45 plug, make sure each cable is in each pin.
6. Then use wire crimper to crimp it.
7. Repeat above 5 steps to make the another end.
8. Using network tester to test the cable whether is working.

RJ 45 PIN Diagram

Pin Diagram	
1	(1) video +
2	(1) video -
3	(2) video +
4	(3) video +
5	(3) video -
6	(2) video -
7	(4) video +
8	(4) video -



EIA/TIA 568A

Pin Diagram	
1	(1) video +
2	(1) video -
3	(2) video +
4	(3) video +
5	(3) video -
6	(2) video -
7	(4) video +
8	(4) video -



EIA/TIA 568B



Attention:

- If choose green terminal block,cable of same color should be in the same pin.
- When choose RJ-45,make sure if one end is EIA/TIA568A,the other end should also be EIA/TIA568A.
- or if one end is EIA/TIA568B,the other end should also be EIA/TIA568B.

Package Contents

- | | |
|---|---------|
| • 4/8/16CH passive HD video transceiver | (1 pc) |
| • Application manual | (1 pc) |
| • Rack-mounting ear | (2 pcs) |
| • Rack-mounting screws | (8 pcs) |
| • Robber pad | (4 pcs) |