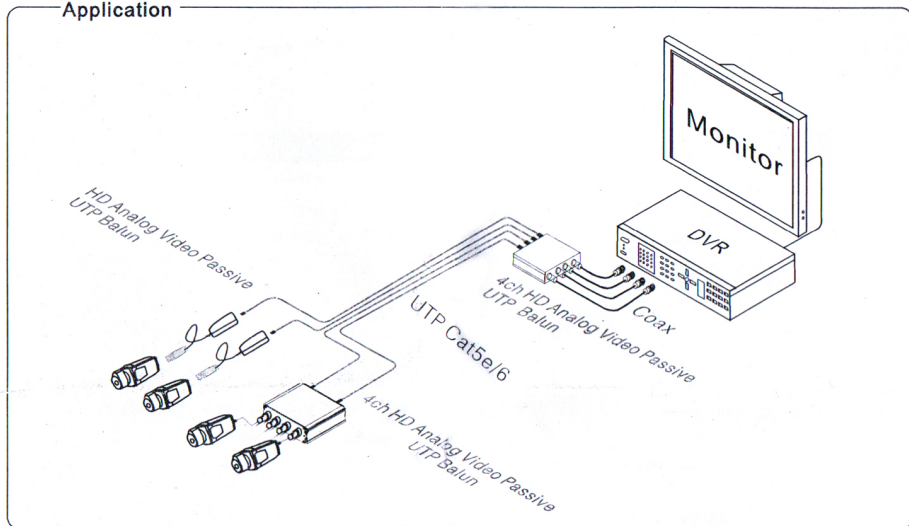


4 Ports HD Analog Video Passive UTP Balun User Manual

The 4 Ports HD Analog Video Passive UTP Balun is adopted to transfer 4ch 720P and 1080P video signal over Cat5e/6 utp cable. In actual project, the 4ch HD passive UTP balun works with passive utp balun or active balun to transfer the signal. It features long distance, high quality effect and strong anti-interference. It is recommended in CCTV system.

Application



Features

- Power: No power request;
- Transmission: Real time transferring 720P/1080P video signal;
- Distance: HDCVI: 0 ~ 400m (720P, with passive balun);
AHD: 0 ~ 300m (720P/960H);
HDTVI: 0 ~ 100m (720P/1080P);
- Function: Transfer 4ch HD analog video signal over Cat5e/6 cable;
- Protection: Strong surge protection, ESD and lightning protection;
- Structure: delicate design, support MIT structure, easy operation.

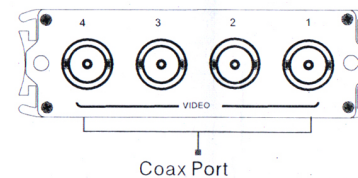
Notice

Transmission distance and connection wire quality is related, please use standard UTP cable and coaxial cable.

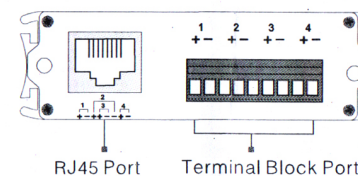
RJ45 connector and screw push terminal connection mode can not use at the same time, choose only one of them.

Board Diagram

Front



Back



Installation steps

Please check device below and accessories before installation, if you find any missing, please contact your supplier.

- The product 1pcs
- Accessories(ears,screws,pads) 1kit
- User manual 1pcs

Please install as following steps:

- 1) Turn off the power of the camera and display before installation;
- 2) Check if the network cables and any other cables and display device are occupied;
- 3) Connect monitor or DVR and the product BNC connector over coaxial cable with BNC connector;
- 4) Connect the product push terminal UTP cable connector or RJ45 connector and camera output port over UTP cable ;
- 5) Check whether installation is correct, the device is good, make sure all connection is reliable, connect power cable, charge system;
- 6) Make sure network is normal.

Specification

Item	Description	
Function	Transmission Channel	4 channel
	Video Connector	4 channel
	Transmission Distance	0 ~ 400m(HDCVI 720P, with passive utp balun) 0 ~ 300m(AHD 720P/960H/1080P) 0 ~ 100m(HDTV 720P/1080P)
Video Transmission Performance and Connector	Coaxial Video Connector	Female BNC Connector
	UTP Cable Video Connector	Female RJ45 Connector 8 channel screw push terminal
	Compatible Video Format	HDCVI, AHD, HDTV
	Signal Transmission Width	0~50MHz
Protection Level	Coaxial Video Connector Surge protection	2KV per; IEC61000-4-5
	UTP Cable Communication Connector Surge Protection	2KV(different mode) 4KV(common mode) per:IEC61000-4-5
	ESD	1a contact discharge level 3 1b air discharge level 3 per: IEC61000-4-2
Operation Environment	Operation Temperature	0~55℃
	Storage Temperature	-40~85℃
	Humidity	0~95%
Physical Properties	Dimension(L*W*H)	85mm×82mm×25mm (Include connector length)
	Shell	Aluminum
	Color	Black
	N.W.	140g
Stability	MTBF	>20000h

specification are subject to change without notice.

Trouble shooting

If the equipment fails to work, please solve the problem as following method

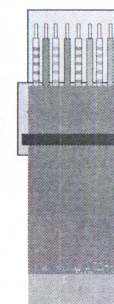
- Make sure equipment installation according to installation manual;
- Check device connection whether is correct;
- Transmission equipment max transmission distance depends on the quality of the signal source and the transmission cable, please do not exceed the equipment max transmission distance;
- Please check connection whether is correct ,charge device when no image;whether there is video output when do not connect the device;
- Replace a set of product normal working device for a failure device to check whether the device is damaged;
- If still can not solve the problem, please contact your supplier.

RJ45 Making Method

Instruments to be used: wire crimper, network tester. Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

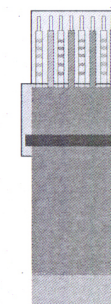
- 1) Shuck off about 2cm long the insulating layer, and bar the 4 pairs UTP cable;
- 2) Depart the 4 pairs UTP cable and straighten them;
- 3) Line up the 8 pieces of cables per EIA/TIA 568A or 568B.
- 4) Cut out 1.5 cm cable wrap and leave the bare wire;
- 5) Plug 8 cables into RJ45 plug, make sure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

pin	color
1	white/green
2	green
3	white/orange
4	blue
5	white/blue
6	orange
7	white/brown
8	brown



EIA/TIA 568A

pin	color
1	white/orange
2	orange
3	white/green
4	blue
5	white/blue
6	green
7	white/brown
8	brown



EIA/TIA 568B



Attention

- When choose RJ-45 make sure if one end is EIA/TIA568A, the other end should also be EIA/TIA568A.
- When choose RJ-45 make sure if one end is EIA/TIA568B, the other end should also be EIA/TIA568B.