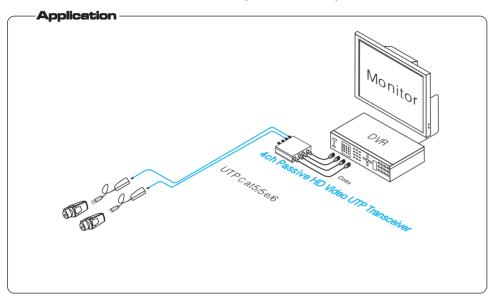
4ch Passive HD Video UTP Transceiver User Manual

VerB 1.0

The 4ch passive HD (non-amplified) video UTP transceiver allows transmission of real-time and high-performance color or monochrome (B/W) CCTV video or HDCVI/AHD/HDTVI HD video over UTP cable, perfect for multi-point surveillance.



■ Features

- Passive, no need of power supply;
- HDCVI HDTVI AHD CVBS 4 in 1 Compatible design; Real-time transmission, no delay;
- Recommendation transmission distance as below:
 - 1) HDCVI1080p: 100m; HDCVI720P: 370m(passive to passive);
 - 2)HDTVI 720P/1080p: 200m (passive to passive);
 - 3) AHD-L/M 720p/960P: 330m; AHD-H 1080P: 330m(passive to passive);
 - 4) Analog video: 500m (passive to passive);
- RJ-45 or green terminal block to be chosen to connect UTP cable;
- Protection: Strong surge protection, ESD and lighting protection;
- Structure: delicate design, support MIT structure, easy operation.

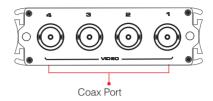


Notice

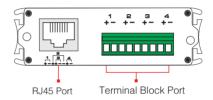
- Transmission distance is related to wire quality, please use standard UTP cable and coaxial cable.
- RJ45 connector and screw push terminal connection mode can not use at the same time, choose only one of them.

■Board Diagram

Front board



Back board



Installation steps

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

4ch Passive HD Video UTP Transceiver
 Accessories(ears,screws,pads)
 Installation manual
 1pcs

Please install as following steps:

- 1) Turn off the power of the camera and display before installation;
- 2) Check if the cables and display device are occupied;
- 3) Connect monitor or DVR and BNC connector of the product over coaxial cable
- 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, system is power on;
- 6) Make sure network is normal.

■ Specification

	Item	Description		
	Transmission Channel	4 channel		
	Video Connector	4 channel		
Function	Transmission Distance	Please refer to table 1		
	Coaxial Video Connector	Female BNC Connector		
Video Transmission	UTP Cable Video Connector	Female RJ45 Connector 8 channel screw push terminal		
Performance and Connector	Compatible Video Format	HDCVI HDTVI AHD CVBS		
and Connector	Signal Transmission Width	0~70MHz		
	Anti-interference	>60dB		
	Coaxial Video Connector Surge	2KV per: IEC61000-4-5		
Durch attended and	UTP Cable Communication Connector Surge Protection	2KV(different mode) per:IEC61000-4-5		
Protection Level		1a contact discharge level 3		
	ESD	1b air discharge level 3		
		per: IEC61000-4-2		
Operation	Operation Temperature	0~55°C		
Operation Environment	Storage Temperature	-40~85°C		
LITVITOTITIETIL	Humidity	0~95%		
	Dimension(L*W*H)	85mm × 82mm × 25mm (Include connector length)		
Physical	Shell	Aluminum		
Properties	Color	Black		
	N.W.	154g		

Specification change will not be noticed

■ Trouble shooting

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

- 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.

Table 1:

	Signal Source	HDCVI (720P)	HDCVI (1080P)	HDTVI (720P/1080P)	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
F	Recommendation distance	370m	100m	200m	330m	330m	500m

Instruction:

The test data in table 1 is required under lab environment by passive to passive, In actual case, there maybe some differences due to different cable and environment.