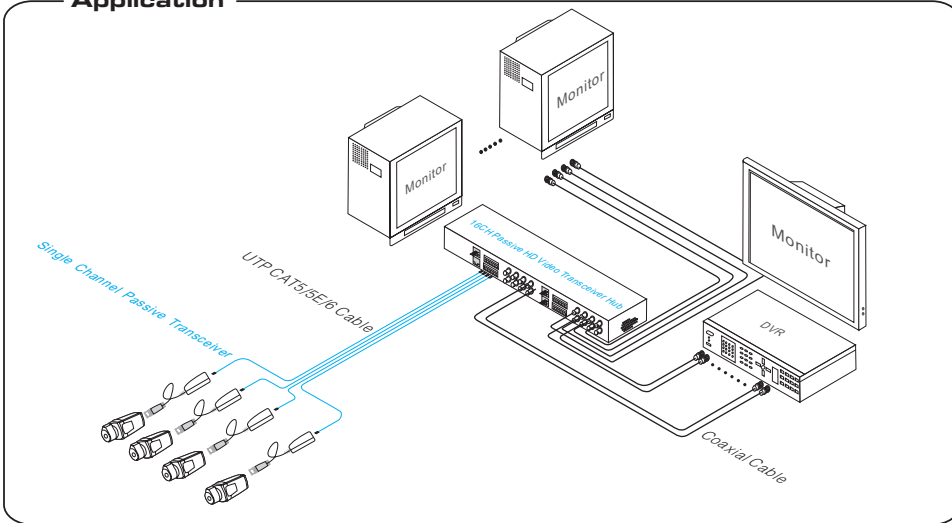


# 16ch Passive HD Video UTP Transceiver User Manual

VerB 1.0

The 16ch 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. The device is 1U rack-mountable, perfect for multi-point surveillance.

## Application



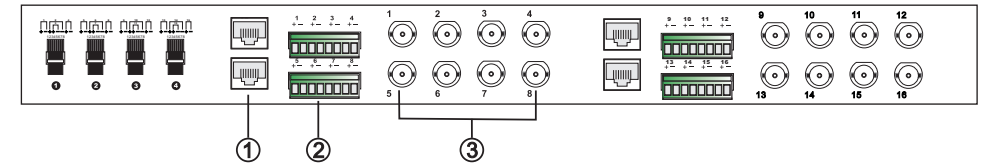
## Features

- 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 ; HDCVI 720P: 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;
- Compact ID design; 1U(19')rack mountable;
- Plug and play, simple installation;
- Super surge protection&interference rejection.

## 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.

## 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 video input

Note: ① or ② to be choosed

## Installation steps

Please check the following items before installation, if it is missing, please contact the dealer .

- 16ch passive HD Video UTP Transceiver 1pcs
- Accessory 1set
- User manual 1pcs

Please follow the next installation steps:

- 1) Please power off camera, PC, DVR, IPC and monitor which are to be used;
- 2) Connect cameras with transmitter via BNC cable,
- 3) Connect DVR with it via BNC cable;
- 4) Connect transmitter and receiver via UTP cable.
- 5) Power camera, DVR, monitor etc.

## Specification

	Item	Description
Function	Channels	16Channel
	Transmission Distance	Please refer to table 1
Video Properties	Video Connector	BNC-F
	UTP Cable Connector	8 pin green terminal block,RJ-45
	Compatible With	PAL、NTSC、SECAM video HDCVI/AHD/HDTV HD video
	Signal Transmission Band	0-70MHz
	Interference Rejection	>60db
	Video Connector Protection	2KV(common mode) Per: IEC61000-4-5
	UTP Cable Connector Protection	2KV(different mode) Per:IEC61000-4-5
Protection	ESD Protection	Contact Discharge:6000V Air Discharge:8000V Per:IEC61000-4-2
Physical Properties	Size (LWH)	430*100*44.5(1U)
	Outer Shell	Iron Metal
	Color	Black
	N.W.	1.181kg
Environmental	Operation Temperature	0° C-50° C
	Storage Temperature	-40° C-85°C
	Relative Humidity	0%-95%(non-condensing)

*Specification change will not be noticed*

## 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.

Table 1:

Signal Source	HDCVI (720P)	HDCVI (1080P)	HDTV (720P/1080P)	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
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.