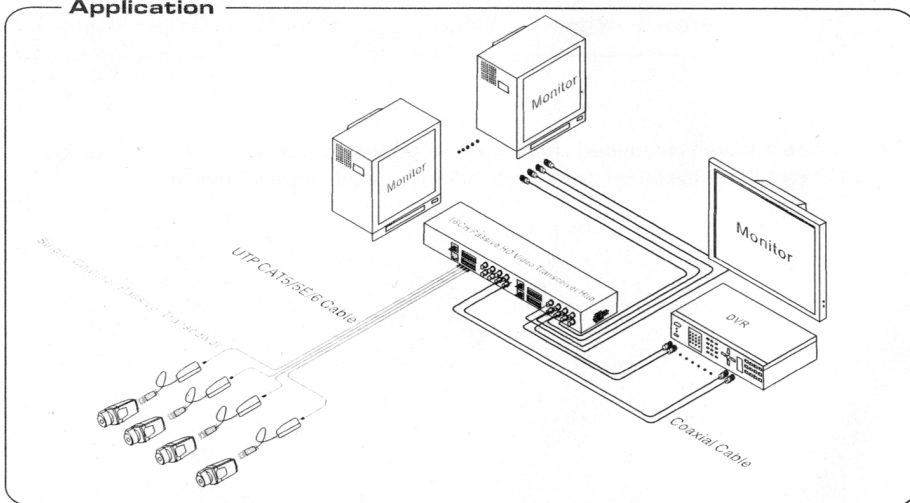


16ch Passive HD Video UTP Transceiver User Manual

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

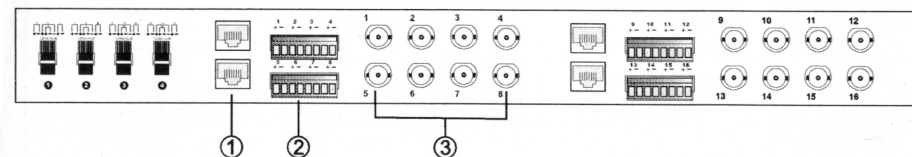
- Passive, no need of power supply;
- HDCVI HDTVI AHD CVBS 4 in 1 Compatible design; Real-time transmission, no delay;
- Recommendation transmission distance as below:
 - 1) HDCVI1080p: 100m ; HDCVI 720P: 370m(passive to passive);
 - 2)HDTVI 720p/1080p: 200m (passive to passive);
 - 3) AHD-L/M 720P/960P: 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.

16ch Passive HD Video UTP Transceiver

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/HDTVI 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:

Single Source	HDCVI (720P)	HDCVI (1080P)	HDTVI (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.