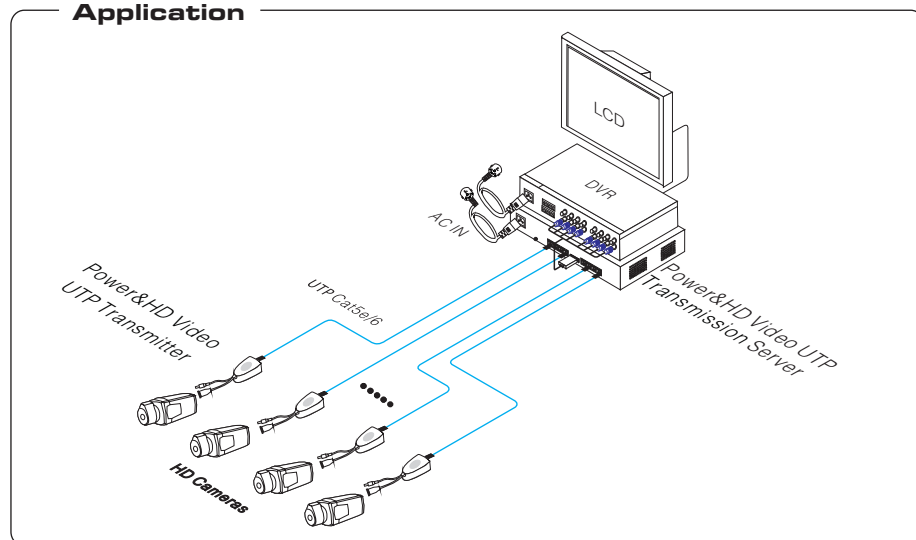


8 Ports Power & HD Video UTP Transceiver User Manual

VerB 1.2

8 ports power & HD video UTP transceiver can transfer HD video and power in real time up to 300m through Cat5/5e/6 cable; it provides power for remote camera, meantime return video signal. It supports HDCVI、HDTV1、AHD and analog video; 8 ports power & HD video UTP transceiver adopts high quality and high capacity AC-DC power supply; each power channel has over-current、Short circuit、over-temperature protection and over-current abnormal LED indication; it adopts DB15-BNC composition extender design, which is easy for engineering installation; Small and delicate appearance is suitable for home, office, supermarket, hotel etc.

Application



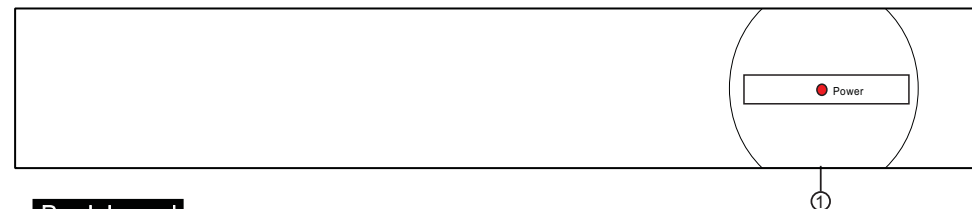
Features

- Transfer video and power through one Cat5/5e/6 cable in real time;
- HDCVI、HDTV1、AHD and analog video 4 in 1 Compatible design;
- High quality and high capacity AC-DC power supply, providing up to 12W for each channel;
- Over-current、Short circuit、over-temperature protection and over-current abnormal LED indication;
- Excellent ESD protection;
- DB15-BNC composition extended kits, easy for engineering installation.

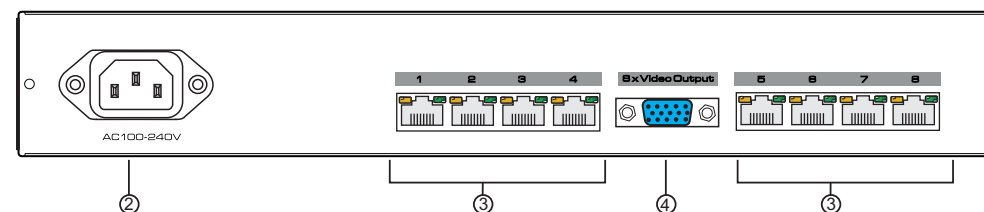
8 Ports Power & HD Video UTP Transceiver

Panel Diagram

Front board



Back board



NO.	Component	Description
①	Power LED	Indicate if power supply is normal
②	Power Supply Input	100V-240V/50-60Hz power input connector
③	R J45	The green LED light on indicates working status The yellow LED light on indicates over-current protection
④	DB15	Video Output

Installation step

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

- 8 ports power & HD video UTP Transmission Sever 1pcs
- DB15-BNC cable 1pcs
- 1ch Power & HD video UTP Transmitter 8pcs
- User manual 1pcs
- Power Cord 1pcs

Please follow the installation steps as below:

- 1) Please turn off the signal power and display device power before installation, installing with power will damage the transmission equipment;
- 2) Use DB15-BNC cable to connect DVR and Transceiver;
- 3) Use network cable to connect Transceiver and receiver;
- 4) Connect cameras with receiver;
- 5) Check if the installation is correct, equipment is in good condition, the connection is stable, then power on the system;
- 6) Ensure the equipment powered on and work properly.

Specification

Item		Parameter
Function	Channel	8 Channels
	Transmission Distance	Please refer to table 1 and 2
	Power Consumption	Total< 100W(each port< 12W)
Video Properties	Video Connector	1*DB15
	UTP Cable Connector	8*RJ45
	Compatibility	PAL,NTSC,SECAM HDCVI/AHD/HDTVl
	Signal Transmission Band	0-70 MHz
	Interference Rejection	>60dB
	Surge Protection	2KV(different mode) 4KV(common mode) Per:IEC61000-4-5
Protection	ESD	Contact Discharge:6000V Air Discharge:8000V IEC61000-4-2
Physical Properties	Size(L x W x H)	310mm x 232mm x 45mm
	Outer Shell Material	Iron Metal and plastic
	Color	Black
	N.W.	1.41kg
Environmental	Operating Temperature	-10°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 the installation is following the manual;
- Check if all connection is right, and if RJ45 is conformed with EIA/TIA568A or 568B;
- Make sure cables are quality and the real distance not exceeds the allowed transmission distance;
- If yellow LED on the RJ45 port is lighting on individual channel, please cut off power supply and unplug cable to check whether short circuit or power consumption overload;
- Use normal working device to replace the failure one to check whether it is the problem of device itself;
- Please contact your vendor if trouble still exists.

Table 1:

The relationship between power and distance				
V	L	C		
		0.3A	0.5A	0.8A
12V	150m	80m	55m	45m
9V	300m	160m	100m	80m

Picture 1:

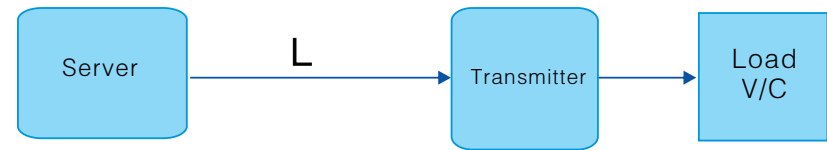


Table 2:

The relationship between signal source and distance					
HDCVI (720P)	HDCVI (1080P)	HDTVl (720P/1080P)	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
200m	100m	150m	300m	150m	300m

Instruction:

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