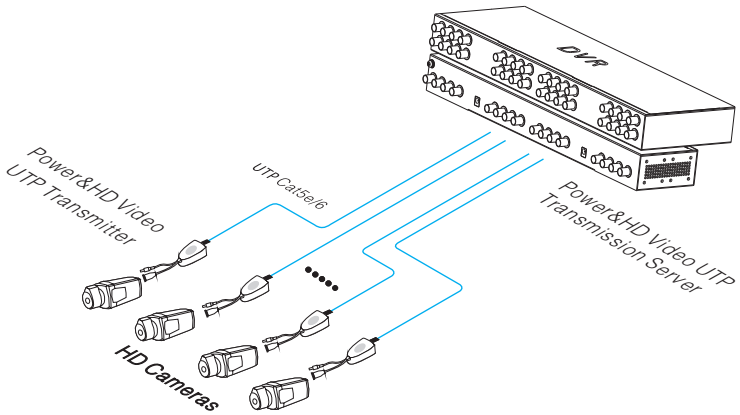
8/16 Ports Power & HD Video UTP Transceiver

(with steady DC12V to camera)

User Manual VerB 1.0

8/16 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(steady DC12V) for remote camera, meantime return video signal. It supports HDCVI, HDTVI, AHD and analog video; each power channel has over-current, Short circuit, over-temperature protection and over-current abnormal LED indication; Small and delicate appearance is suitable for home, office, supermarket, hotel etc.

Application



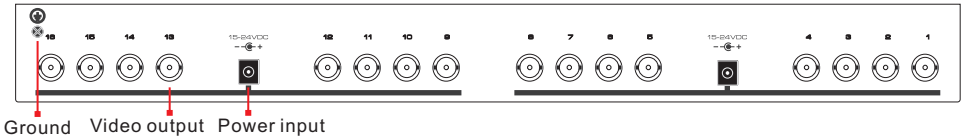
Features

- Transfer video and power through one Cat5/5e/6 cable in real time;
- HDCVI、HDTVI、AHD and analog video 4 in 1 Compatible design;
- Providing up to 12W ,steady DC12V each channel to camera;
- Over-current、Short circuit、over-temperature protection and over-current abnormal LED indication;
- Excellent ESD protection.

Panel Diagram

16 ports Transceiver

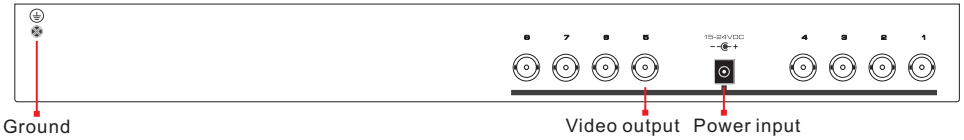
Back board



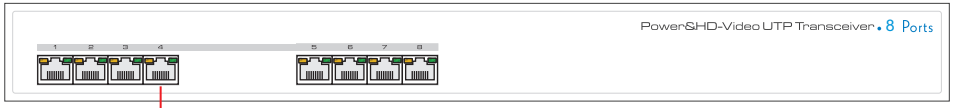
Front board

8 ports Transceiver

Back board



Front board



Installation step

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

	16 Ports	8 Ports
● Power & HD video UTP Transmission Server	1pc	1 pc
● 1ch Power & HD video UTP Transceiver	16pcs	8 pc
● User manual	1pc	1 pc
● Power adapter	2pcs	1 pc
● Accesory	1 set	1 set

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 coax 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	8/16 Channels
	Transmission Distance	Please refer to table 1 and2
	Power Consumption	Total<192W(each port< 12W)
Video Properties	Video Connector	8/16*BNC
	UTP Cable Connector	8/16*RJ45
	Compatibility	PAL,NTSC,SECAM HDCVI/AHD/HDTVI
	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:6KV Air Discharge:8KV IEC61000-4-2
Physical Properties	Size(L × W × H)	430mm × 83mm × 44.5mm
	Outer Shell Material	Metal
	Color	Black
	N.W.	6kg
Environmental	Operating Temperature	-10℃ - 45℃
	Storage Temperature	-40℃ - 85℃
	Relative Humidity	0% - 95% (non-condensing)

Specifications suject to change without notice.

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;
- 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.

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Table 1:

The relationship between power and distance(DC24V input)							
L \ V	0.95A	0.90A	0.86A	0.68A	0.67A	0.5A	0.5A
12V	100m	150m	200m	250m	300m	350m	400m

Picture 1:

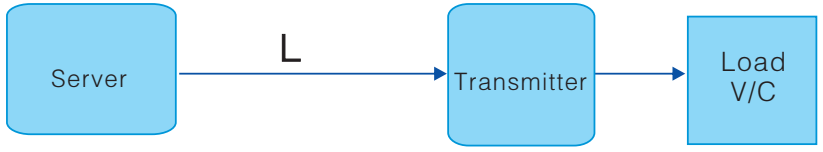

Table 2:

The relationship between signal source and distance						
HDCVI (720P)	HDCVI (1080P)	HDTVI (720P/1080P)	HDTVI 300W	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
400m	200m	320m	320m	300m	300m	500m

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.