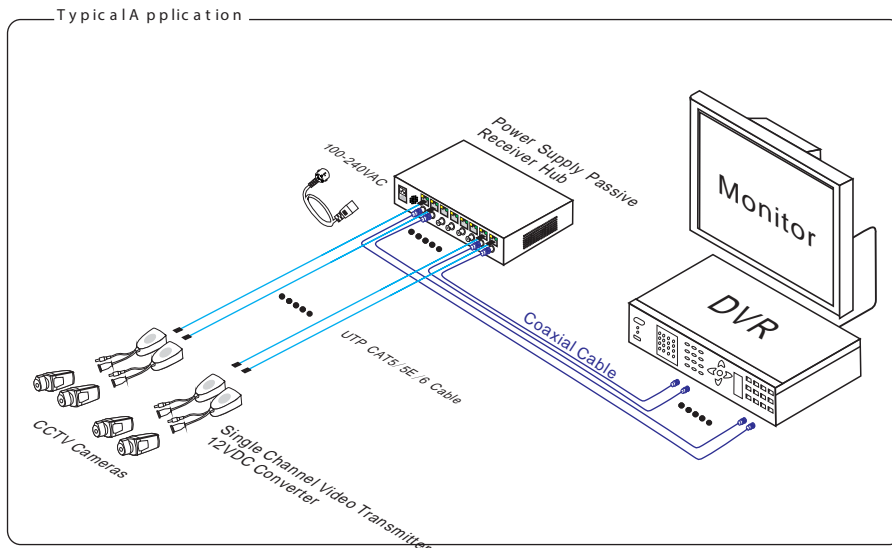


# 8 Channel 36V Power Supply Passive Receiver Hub

The hub receives 8 channels CCTV video from up to 300M via UTP CAT5/5e cable. In addition it outputs 36V 320W power supply. Working with it the single channel video transmitter 12VDC converter can provide the remote cameras regulated 12VDC.

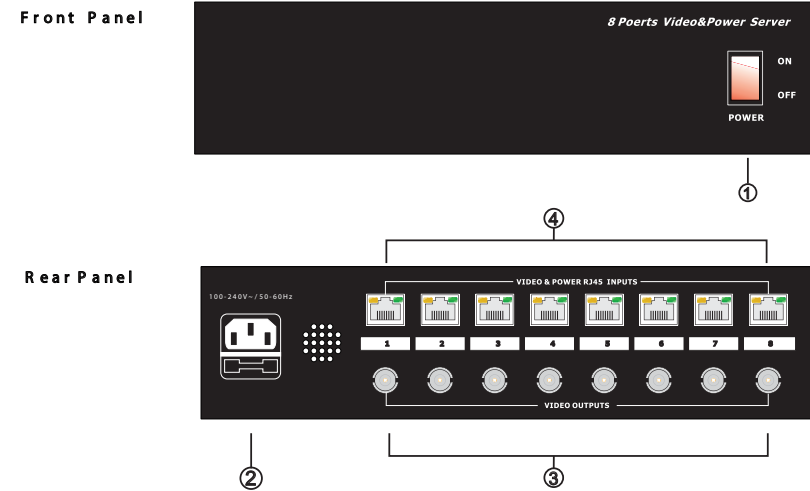


## Features

- Receive 8 channels CCTV video and provide power supply for cameras;
- Compatible with PAL, NTSC, SECAM;
- Output 36V 150W power supply;
- Distance up to 300m, providing up to 1Amp 12V DC for each channel
- Owning power LED, signal LED, failure LED for over-voltage protection;
- Built-in additional module for easy maintenance;
- Built-in fan for thermal dissipation;
- Plug and play, simple installation;
- Super surge protection and interference rejection.



## Panel Diagram



NO.	Component	Description
①	Power LED	To indicate if power supply is normal.
②	Power Supply Input	100V-240V 50-60Hz power input connector.
③	BNC-F	Video output.
④	RJ45	The green LED is power indicator, if on it's working normally, if weak it's not. The yellow LED is for over-current protection.

## Installation Procedure

Please follow the next installation steps:

- (1) Please switch off cameras and monitors before installation, or else installation with power may damage devices;
- (2) Test if the UTP cable and coaxial cable to be used are available;
- (3) Connect cameras with single channel video transmitter 12VDC converter via coaxial cable;
- (4) Connect single channel video transmitter 12VDC converter with power supply passive receiver via UTP cable;
- (5) Connect DVR / Monitor with power supply passive receiver hub via coaxial cable;
- (6) Check all connection, and supply power to hub via power cord;
- (7) Check if the image is normal.

## Specification

Item	Parameter	
Function	Channel	8 Channel
	Transmission Distance	300m(approx 12W for each camera)
Video Properties	Video Connector	BNC-M
	UTP Cable Connector	RJ-45
	Compatible With	PAL,NTSC,SECAM
	Signal Transmission Band	0- 6MHz
	Interference Rejection	>60db
	Surge Protection	2KV 10/700us Per IEC61000-4-5
Protection	ESD	Contact Discharge:6000V Air Discharge:8000V IEC61000-4-2 1995
Reliability	MTBF	> 10000h
Physical Properties	Size (LWH)	280 × 180 × 66.8mm
	Outer Shell Material	Iron Metal
	Color	Black
	N.W.	2.3kg
Environmental	Operation Temperature	0°C-55°C
	Storage Temperature	-20°C-88°C
	Relative Humidity	0%-95%(non-condensing)

*Specifications subject 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 IA/TIA568A or 568B;
- Make sure cables are quality and the real distance not exceeds the allowed transmission distance;
- If yellow LED on RJ45 lighting on individual channel, please cut off power supply and unplug cable to checking whether short circuit or power consumption overload;
- Using normal working device to instead of not working one to checking whether problem of device itself;
- Please contact your vendor if trouble still exists.

## How to make RJ45 Plug

Instruments to be used: wire crimper, network tester.

Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

1. Shuck off about 2cm long the insulating layer, and bar the 4 pairs UTP cable.
2. Depart the 4 pairs UTP cable and straighten them.
3. Line up the 8 pieces of cables per EIA/TIA 568A or 568B.
4. Brunt cut the cables to leave 1.5cm bare wire.
5. Plug 8 cables into RJ45 plug, make sure each cable is in each pin.
6. Then use wire crimper to crimp it.
7. Repeat above 5 steps to make the another end.
8. Using network tester to test the cable whether is working.



## R J 4 5 P I N D i a g r a m

P i n D i a g r a m	
1	video
2	video
3	Power -
4	Power -
5	Power -
6	Power +
7	Power +
8	Power +



EIA/TIA 568A

P i n D i a g r a m	
1	video
2	video
3	Power -
4	Power -
5	Power -
6	Power +
7	Power +
8	Power +



EIA/TIA 568B



**Attention :**

- Make sure if one end is EIA/TIA568A, the other end should also be EIA/TIA568A.
- Make sure if one end is EIA/TIA568B, the other end should also be EIA/TIA568B.

## Package Contents

- 8 channel 36V power supply passive receiver hub (1 pc)
- Application manual (1 pc)
- Power cord (1 pcs)
- Rack-mounting ear (2 pcs)
- Rack-mounting screws (4 pcs)
- Robber pad (4 pcs)