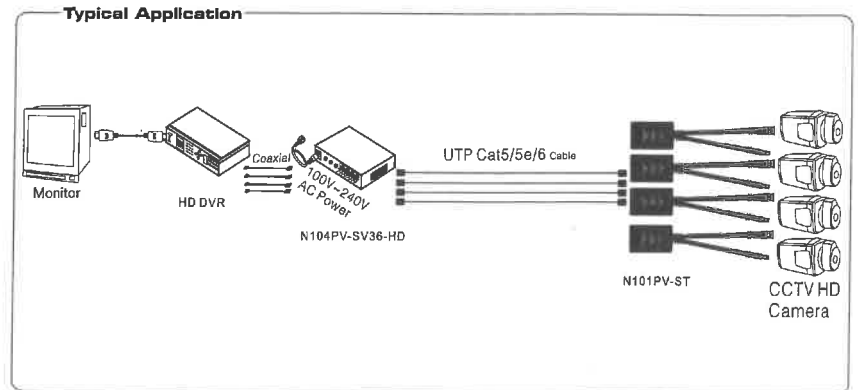


4/8/16CH Passive HD Video Receiver & 36V Power Supply Hub

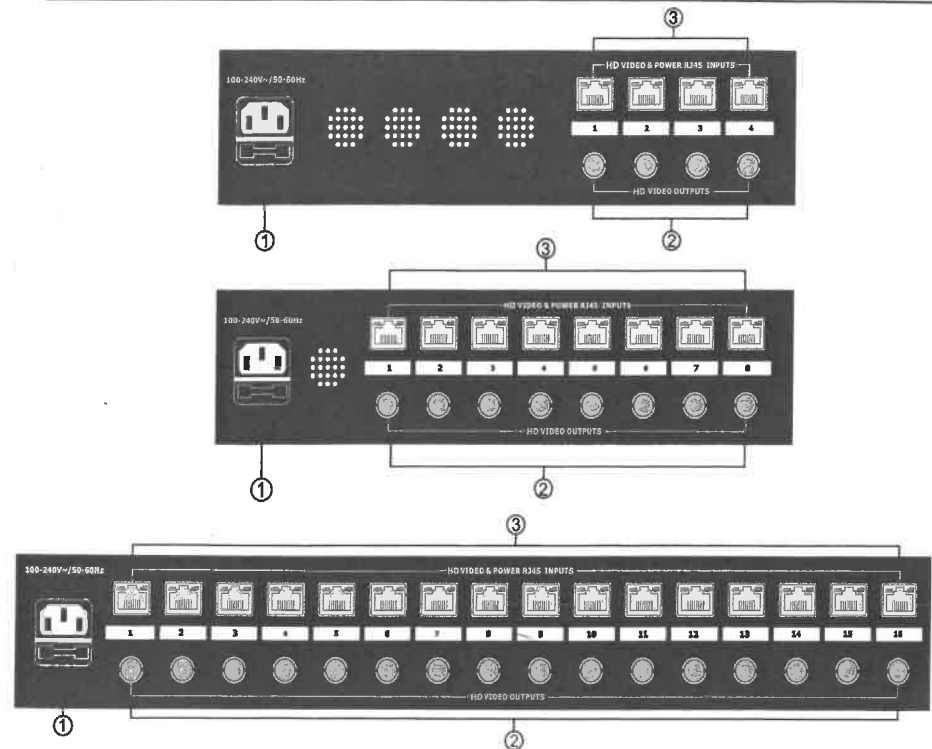
The receiver is a UTP transceiver that can transfer HD video and power at the same time. The product adopts Cat5/5e/6 as transmission medium to transfer 4/8/16CH HDCVI/HDTVI/AHD signal and provide power for camera in 300m to simplify the project. The product features long distance, high quality transmission, strong anti-interference. It's recommended in CCTV surveillance system.



Features

- Receive 4/8/16 channels HD video and provide power supply
- Compatible with HDCVI/HDTVI/AHD;
- Output DC 36V 100W/150W/320W power supply;
- Color HD video transmission distance(passive to passive):
HDCVI 720P: 400m /1080P: 250m;
HDTVI 720P/1080P: 200m;
AHD 720P: 300m/1080P: 200m.
- Power supply transmission distance up to 300m, providing max DC 36V 24W for each channel
- Power LED, Overload Protection LED;
- Built-in fan for thermal dissipation;
- Plug and play, simple installation;
- Super surge protection and interference rejection.

Panel Diagram



NO.	Component	Description
①	Power Supply Input	100V-240V 50-60Hz power input connector.
②	BNC	HD Video output.
③	RJ45	The green LED is power indicator, if on it's working normally, if weak it's not. The yellow LED is shortcut protection LED.

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		Description		
Function	Channels	4 Channel	8 Channel	16 Channel
	HD Video Transmission Distance	HDCVI 720P: 400m /1080P: 250m; HDTV 720P/1080P: 200m; AHD 720P: 300m/1080P: 200m		
	Power Transmission Distance	300m(Max DC 36V 24W for each channel)		
	Video Connector	BNC-M		
Video Properties	UTP Cable Connector	RJ45		
	Compatible With	HDCVI/HDTVII/AHD		
	Signal Transmission Band	0- 65MHz		
	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	>20000h		
Physical Properties	Size (LWH)	280×180×66.8mm	280×180×66.8mm	430×200×66.8mm
	Outer Shell Material	Iron Metal		
	Color	Black		
	N.W.	2.1kg	2.3kg	3.76kg
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 itse
- Please contact your vendor if trouble still exists.

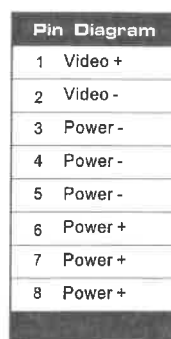
How to make RJ45 Plug

Instruments to be used: wire crimper, network tester.

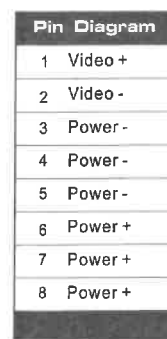
Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

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.

RJ45 PIN Diagram



EIA/TIA 568A



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

- 4/8/16CH Passive HD video receiver & 36V power supply Hub (1 pcs)
- Application manual (1 pcs)
- AC power cable (1 pcs)
- Rack-mounting ear (2 pcs)
- Rack-mounting screws (8 pcs)
- Robber pad (4 pcs)