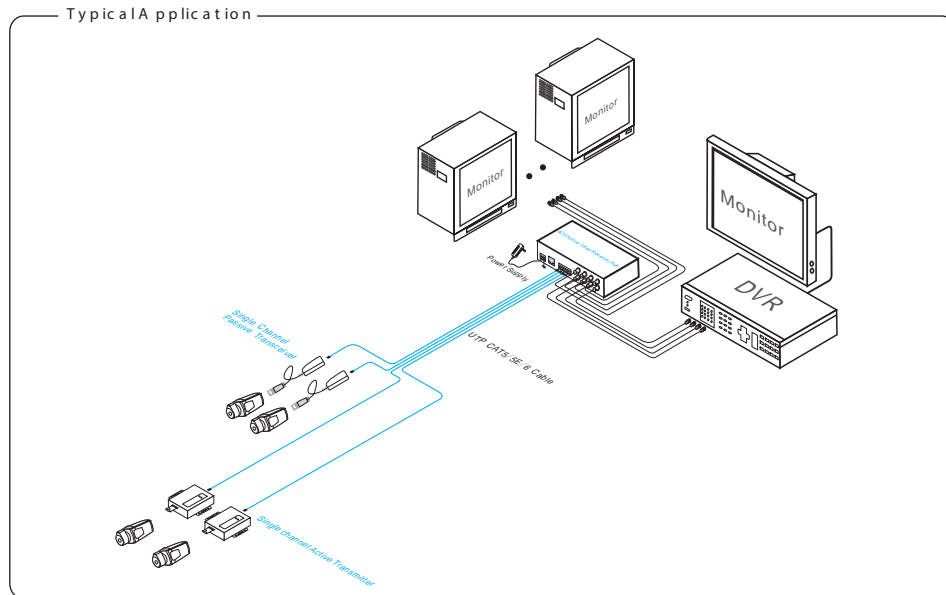


# 4 Channel Active Video Receiver Hub

The device is 4 channel active (amplified) video balun/receiver hub. It allows reception of real-time and high-performance color or monochrome (B/W) CCTV video over UTP cable. With a built-in amplification circuit the product provides dual output. Adjusting switches are available for quality image according to different transmission distances.

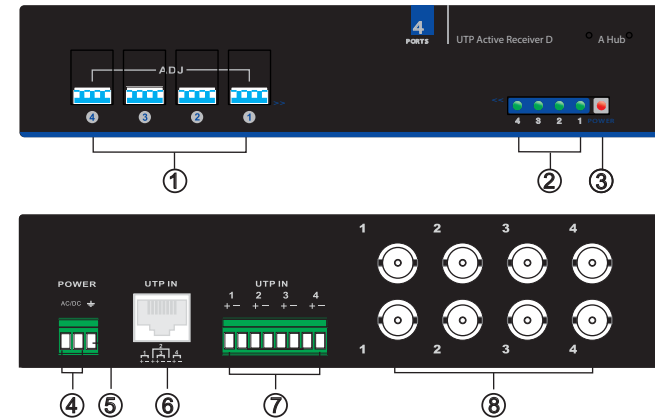


## Features

- Long transmission distance up to 1200m;
- Can work with passive transceiver or active transmitter;
- Compact design, support 4 channels video transmission;
- RJ-45 or green terminal block to be chosen to connect UTP cable;
- Simple installation, plug and play;
- Cost saving with dual output;
- Adjustment available up to different transmission distance;
- Over voltage & over current protection;
- Super interference rejection;
- Super surge & transient protection;
- Compatible with PAL, NTSC, SECAM etc.;



## Panel Diagram



NO.	Component	Description
①	Adjustment Switches	4 switches for each channel, please refer to adjustment diagram
②	Signal LED	Indicates if signal is normal
③	Power LED	Indicates if power supply is normal
④	Power Supply Input	12VDC input
⑤	Grounding	The device should be grounded while working
⑥	Rj45	EIA/TIA568A or EIA/TIA568B
⑦	8 pin green terminal block	to connect UTP cable directly
⑧	BNC-F	Dual video output

## Installation Procedure

- (1) Switch off camera, PC, DVR, IPC and monitor which are to be used;
- (2) Connect cameras with the transmitter via BNC cable,
- (3) Connect DVR with 4CH active video receiver hub via BNC cable;
- (4) Connect transmitter and receiver via UTP cable (RJ45 or green terminal to be chosen);
- (5) Connect the receiver hub with power supply (12-40V AC);
- (6) Connect the receiver hub with ground via grounding knob;
- (7) Power camera, DVR, monitor etc.
- (8) Make adjustment according to real distance for best image.

## Specification

	Item	Description
<b>Function</b>	Input	4Channel
	Output	8Channel
	Transmission Distance	0~900m working with passive video balun 0~1200m working with active video balun
<b>Power Properties</b>	Adaptive Voltage Arrange	12V-40V DC or 9V-24V AC
	Power Consumption	<5W
	Over-voltage Protection	DC 40V
	Surge&Transient Protection	>2KV/1KA Per: IEC61000-4-5
<b>Video Properties</b>	Video Connector	BNC-F
	UTP Cable Connector	8pin green terminal block,RJ-45
	Compatible With	PAL, NTSC, SECAM etc.
	Signal Transmission Band	0-6MHz
	Interference Rejection	>75db
	Video Connector Protection	2KV(common mode) Per: IEC61000-4-5
<b>Adjustment</b>	Adjusting Switch	4 Blue Switches per channel
	Adjusting Method	Please refer to "Adjustment Diagram"
<b>LED Indicator</b>	Power LED	1 red
	Signal LED	4 yellow
<b>Protection</b>	ESD Protection	Contact Discharge:6000V Air Discharge:8000V Per: IEC61000-4-2
<b>Reliability</b>	MTBF	>20000H
<b>Physical Properties</b>	Size (LWH)	190*95*44.5mm
	Outer Shell	Iron Metal
	Color	Black
	N.W.	595g
<b>Environmental</b>	Operation Temperature	0-50°C
	Storage Temperature	-20-80°C
	Relative Humidity	0-95%(non-condensing)

Specifications subject to change without notice.

## Adjustment Diagram

- Single channel active video transmitter:






Mode	1	2	3	4	5
Distance	0-600m	150-750m	300-900m	450-1050m	600-1200m
Switch					

Table 1

## 4c hannelactiver eceiver

Active transmitter working with active receiver:

- ▶ Real distance less than 600m: choose mode 1 in table 2 for receiver;choose relative mode in table 1 for transmitter;
- ▶ Real distance more than 600m: choose mode 5 in table 1 for transmitter;choose relative mode in table 2 for receiver hub.






Mode	1	2	3	4	5
Distance	0-600m	150-750m	300-900m	450-1050m	600-1200m
Switch					

Table 2

Passive transmitter working with active receiver:

- ▶ Real distance should be no more than 600m:refer to table3 for the active video receiver hub, the passive transmitter needs no adjustment.






Mode	1	2	3	4	5
Distance	0-50m	50-250m	250-400m	400-500m	500-700m
Switch					

Table 3

## FAQ

- Stripe exists or totally no signal?
  - ▶ Check if power supply is normal, if power LED is on.
  - ▶ Make sure video+ & video- is correctly connected;
  - ▶ If BNC connection is normal.
- Any potting or glommy image, or drop shadow beside any object?
  - ▶ Redo the adjustment according to adjustment diagram;
  - ▶ Choose better quality cat5e UTP cable and give up STP cable;
  - ▶ The real distance exceeds allowed transmission distance.
- Good image in day, but bad in night?
  - ▶ Check power supply of cameras;
  - ▶ Check power supply of transmitter&receiver;
- How long can be the coaxial cable from camera to transmitter?
  - ▶ Should be less than 50m, it's up to the quality of cable.
- If POE is available?
  - ▶ Yes, can transmit power of 24V or below with video in the same cable.
- If should connect the device with ground?
  - ▶ Yes, the device should be grounded, or else it may affect best surge protection.



## Package Contents

- 4CH Active Video Reciever Hub (1 pc)
- User Manuel (1 pc)
- Rack-mounting ear (2 pcs)
- Rack-mounting screws (8 pcs)
- Robber pad (4 pcs)