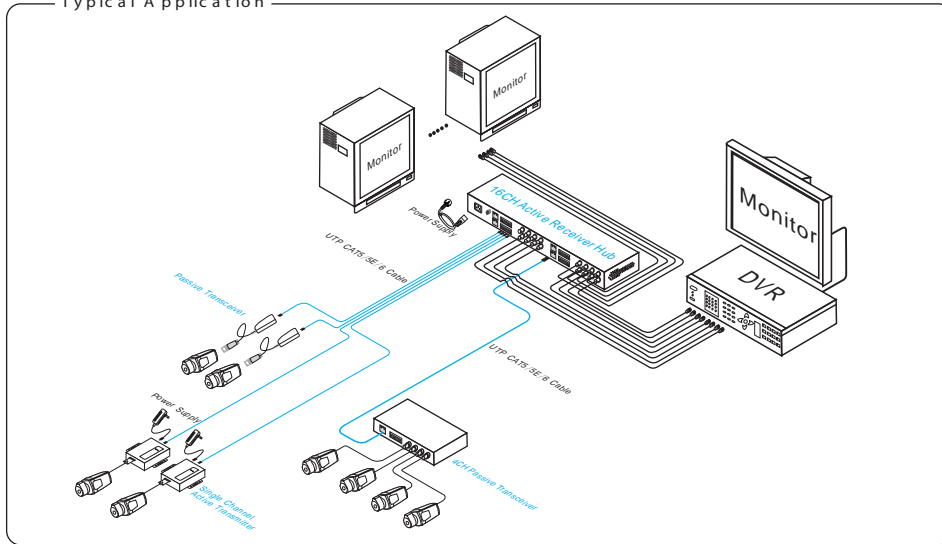


16 Channel Active Video Receiver Hub

The product is 16 channel active (amplified) video balun/receiver. It allows reception of real-time and high-performance color or monochrome (B/W) CCTV video over UTP cable. Adjusting switches are available for quality image according to different transmission distances. In standard 1U structure the device is rack-mountable and excellent for multi-point surveillance.

Typical Application



Features

- Long transmission distance up to 1200m;
- Can work with passive transceiver or active transmitter;
- Compact design, support 16 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.;

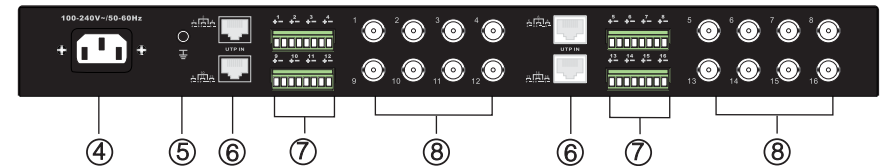


Panel Diagram

Front



Rear



NO.	Component	Description
①	Adjustment Switches	4 switches for each channel, please refer to adjustment diagram
②	LED Indicator	Indicates if signal is normal
③	Power Switch&Indicator	Indicates if power supply is normal
④	Power Supply Input	100V-240V AC(50Hz~60Hz)
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

Note: ⑥ or ⑦ to be choosed.

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 16CH active video receiver hub via BNC cable;
- (4) Connect transmitter and receiver via UTP cable (RJ45 or green terminal to be choosed).
- (5) Connect the receiver hub with power supply 100-240V AC(50Hz-60Hz);
- (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
Function	Input	16 Channels
	Output	16 Channels
	Transmission Distance	1200m
Power Properties	Power Connector	Standard AC Jack
	Adaptive Voltage Arrange	100V-240V AC(50Hz~60Hz)
	Power Consumption	<5W
	Surge&Transient Protection	>2KV/1KA Per: IEC61000-4-5
Video Properties	Video Connector	BNC-F
	UTP Cable Connector	8 pin 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
	UTP Cable Connector Protection	2KV(different mode) 4KV(common mode) Per:IEC61000-4-5
Adjustment	Adjusting Switch	4 Blue Switches per channel
	Adjusting Method	Please refer to "Adjustment Diagram"
LED Indicator	Power LED	1 red
	Signal LED	8 yellow
Protection	ESD	Contact Discharge:6000V Air Discharge:8000V Per:IEC61000-4-2
Reliability	MTBF	>5000H
Physical Properties	Size(LWH)	430×95×44.5mm
	Outer Sheel	Iron Metal
	Color	Black
	N.W.	1.6Kg
Environmental	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

4channel active receiver

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

- 16CH active video receiver hub (1pc)
- Application manual (1pc)
- Power Cord (1pc)
- Rack-mounting ear (2pcs)
- Rack-mounting screws (8pcs)
- Robber pad (4pcs)