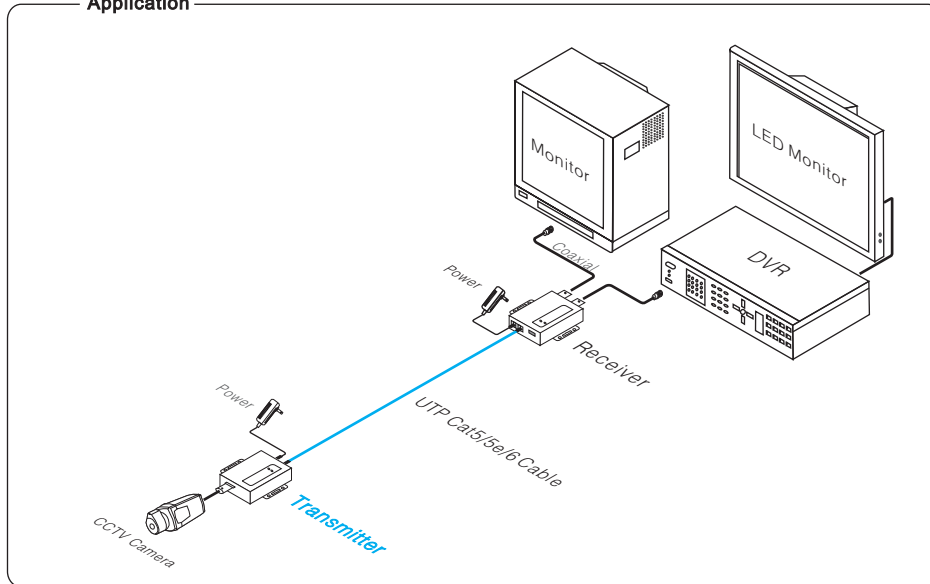


1ch Active Video UTP Transmitter

The product is a 1ch active Video UTP transmitter. The product adopts Cat 5/5e/6 UTP cable as transmission medium, It can real-time transmit 1ch color or mono PAL/NTSC/SECAM video signal. It can work together with active receivers. It features long transmission distance, good transmission effect, super anti-interference, widely CCTV surveillance system.

Application



Feature

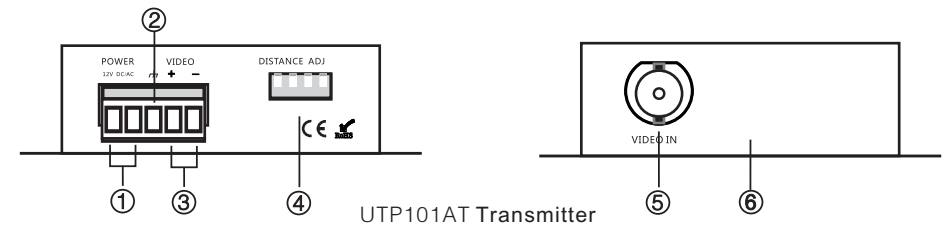
- Power: DC12V ~ 40V/AC 9V ~ 24V;
- Transmission: real time transfer PAL、NTSC、SECAM video signal with high quality video;
- Distance: 0 ~ 1500m(work with active UTP receiver);
- Function: adopts UTP cable for the transmission, support DIP adjustment;
- Protection: Wide range voltage AC/DC power input, strong surge protection and anti-interference;
- Structure: delicate design, support MIT rack;



Notice

Please use standard UTP cable and coaxial to provide the transmission quality.

Board Diagram



NO.	Component	Description
①	Power supply block	Power supply input
②	Green terminal block	Grounding
③	Green terminal block	For UTP cable
④	4PIN blue switches	For distance adjustment
⑤	BNC-F	Video input
	MIT Pole	For MIT Installation

Installation Steps

Please check the following item before installation. If it's missing, please contact the dealer

- Transmitter 1set
- User Manual 1set

Installation

- 1) Please close the camera and monitor's power before installation;
- 2) Please connect the camera port and the transmitter's input port (BNC) with coaxial;
- 3) Please plug the monitor port and the receiver's output port (BNC) with coaxial
- 4) Please connect the UTP cable with the receiver and transmitter (VIDEO + - port) ;
- 5) Please adjust the DIP adjustment according to the instruction;
- 6) Please examine the system;

Specification

Item	Description	
Function	Transmission Channel	1ch
	Output	2ch
	Distance	0~1500m (with active product)
Power	Voltage Range	DC 12V~40V or AC 9V~24V
	Power Rate	<1W
Video Transmission	Coaxial Port	Female BNC
	UTP Cable Port	5pin port
	Video System	PAL, NTSC, SECAM system
	Signal Bandwidth	6MHz
DIP	Anti- interference	>75dB
	DIP Switch	Blue 4pin Adjustment
Status	Adjustment mode	DIP
	Power LED	Red
Protection	Signal LED	Yellow
	Power Port Protection	2KV/1KA Per: IEC61000- 4- 5
	Coaxial Port Protection	2KV Per: IEC61000- 4- 5
	Rj45 Port Protection	2KV (Different Mode) 4KV (Common Mode) Per: IEC61000- 4- 5
	ESD	1a contact discharge Level 3 1b air discharge Level 3 Per: IEC61000- 4- 2
Environment	Working Temperature	0~55
	Storage Temperature	- 20~ 70
	Humidity	0~95%
Structure	Size	115mmx82mmx22mm
	Case	Aluminum
	Color	Silver white
	N.W.	180g
Stability	MTBF	>20000h

Specification change will not be noticed;

Problem Examination

Please find the following solution when the device doesn't work

- Please make sure the installation is according to the instruction;
- Please make sure the RJ45 cable plug both support 568A or 568B;
- Please make sure each utp cable is according to the related channel;
- Please examine the port of BNC, RJ45;
- Please make sure the distance is not surpass the max distance ;
- Please make sure the transmission cable is reliable;
- Please replace the failure product with a working one;
- Please contact your local dealer if the problem still exist;

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

- Single channel 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 table 3 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