

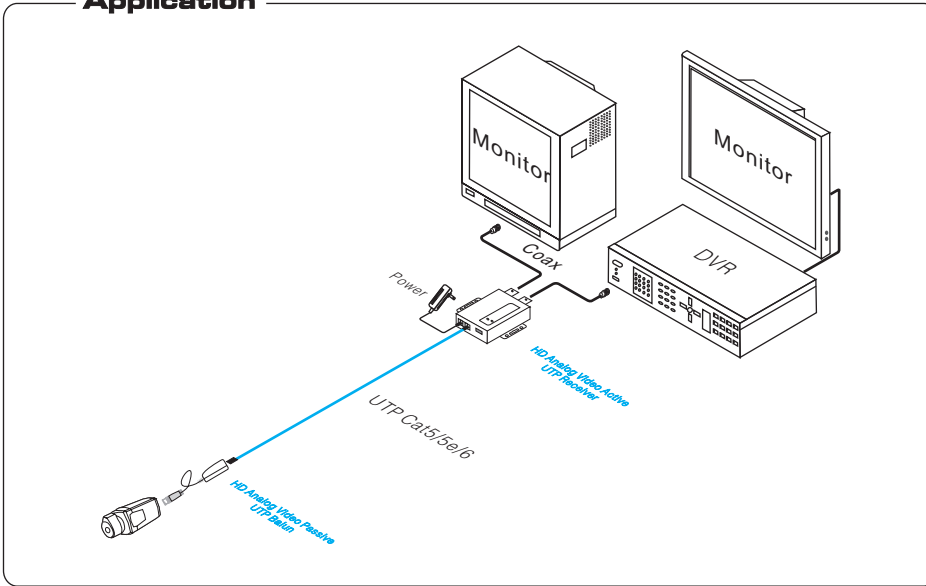
Single Channel HD Video Active UTP Receiver

User Manual

VerB 1.0

The product adopts Cat 5/5e/6 UTP cable as transmission medium, It can receive color or mono PAL/NTSC/SECAM video or HDCVI、AHD、HDTVI HD video in real time. It features long transmission distance, good transmission effect, super anti-interference, wide CCTV surveillance system.

Application



Feature

- DC12V ~ 36V/AC 9V ~ 24V;
- Real time transfer of PAL、NTSC、SECAM video, HDCVI、AHD、HDTVI HD video;
- Recommendation transmission distance as below:
 - 1) HDCVI1080p: 330m; HDCVI 720P: 500m; (passive to active);
 - 2)HDTVI 720p/1080p: 300m (passive to active);
 - 3)AHD-L/M 720P/960P: 480m; AHD-H 1080P: 450m(passive to active);
 - 4)Analog video: 650m (passive to active);
- Adopts UTP cable for the transmission, support DIP adjustment;
- Wide range voltage AC/DC power input, strong surge protection and anti-interference
- Delicate design, support MIT rack.

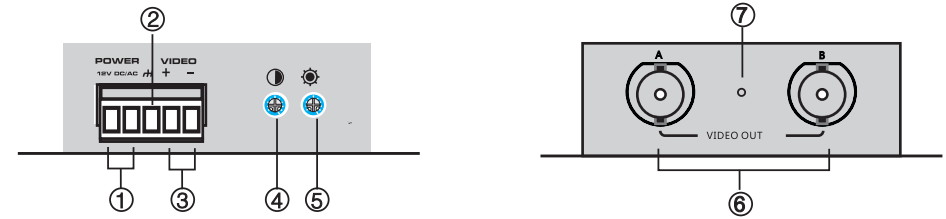


Notice

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

Single channel HD Video Active UTP receiver

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	switches	For color adjustment
⑤	switches	For brightness adjustment
⑥	BNC-M	Video Output
⑦	MIT Pole	For MIT Installation

Installation Steps

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

- Receiver 1set
- User Manual 1set

Please follow the next installation steps:

- 1) Please power off the camera and monitor 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	Please refer to table 1
Power	Voltage Range	DC12V~36V or AC 9V~24V
	Power Rate	<1W
Video Transmission	Coaxial Port	Female BNC
	UTP Cable Port	5pin port
	Video System	PAL、NTSC、SECAM video, HDCVI、AHD、HDTVI HD video.
	Signal Bandwidth	0~75MHz
	Anti-interference	>75dB
DIP	DIP Switch	Switch
	Adjustment mode	Rotate
Status	Power LED	Red
	Signal LED	Yellow
Protection	Power Port Protection	2KV/1KA Per: IEC61000-4-5
	Coaxial Port Protection	2KV(different mode) 4KV(common mode) Per:IEC61000-4-5
	ESD	1a contact discharge Level 2 1b air discharge Level 2 Per: IEC61000-4-2
Environment	Working Temperature	0°C~55°C
	Storage Temperature	-40°C~85°C
	Humidity	0~95%
Structure	Size	115mm × 82mm × 22mm
	Case	Iron
	Color	Silver white
	N.W.	180g

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 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 exceed the max distance range;
- 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.

Table 1:

Signal Source	HDCVI (720P)	HDCVI (1080P)	HDTVI (720P/1080P)	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
Recommendation distance	500m	330m	300m	480m	450m	650m

Instruction:

The test data in table 1 is required under lab environment by passive to passive, In actual case, there maybe some differences due to different cable and environment.