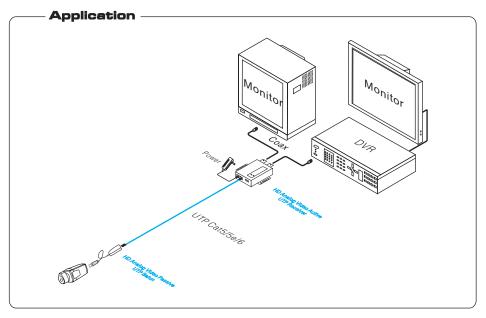
Single Channel HD Video Active UTP Receiver User Manual

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.



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.

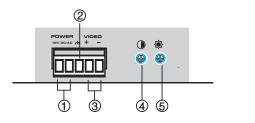


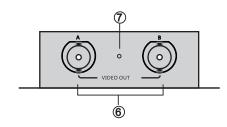
Notice

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 1setUser 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			
	Transmission Channel	1ch			
	Output	2ch			
Function	Distance	Please refer to table 1			
Power	Voltage Range	DC12V~36V or AC 9V~24V			
	Power Rate	<1W			
	Coaxial Port	Female BNC			
	UTP Cable Port	5pin port			
Video Transmission	Video System	PAL、NTSC、SECAM video, HDCVI、AHD、HDTVI HD video.			
	Signal Bandwidth	0-75MHz			
	Anti-interference	>75dB			
DIP	DIP Switch	Switch			
DIF	Adjustment mode	Rotate			
Status	Power LED	Red			
Status	Signal LED	Yellow			
	Power Port Protection	2KV/1KA Per: IEC61000-4-5			
Protection	Coaxial Port Protection	2KV(different mode) 4KV(common mode) Per:IEC61000-4-5			
		1a contact discharge Level 2			
	ESD	1b air discharge Level 2			
		Per: IEC61000-4-2			
	Working Temperature	0°C~55°C			
Environment	Storage Temperature	-40°C~85°C			
	Humidity	0~95%			
	Size	115mm×82mm×22mm			
Structure	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 So	ource	HDCVI (720P)	HDCVI (1080P)	HDTVI (720P/1080P)	AHD-L/M (720P/960P)	AHD-H (1080P)	Analog Video
Recommer distan		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.