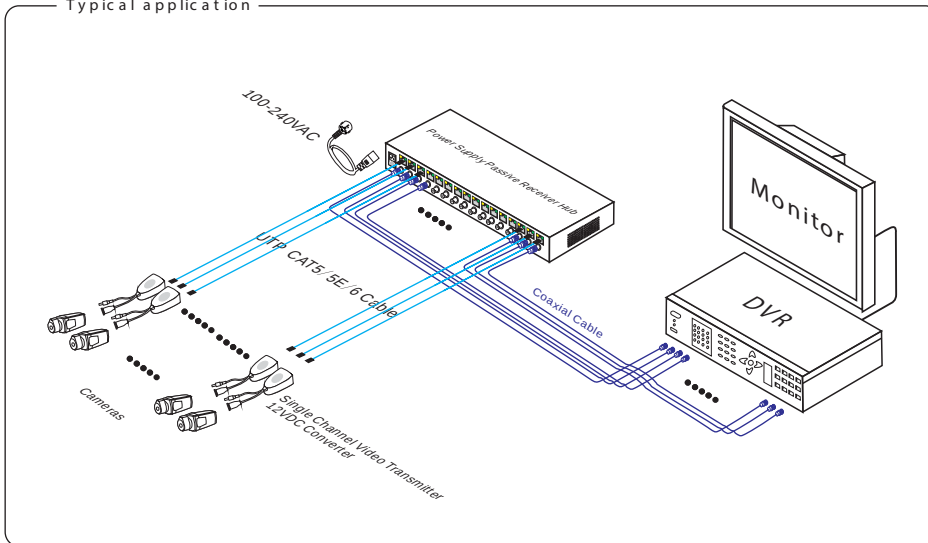


Single Channel Video Transmitter 12VDC converter

The device is a passive (non-amplified) video transmitter combined with a 15-40VDC to 12VDC converter. Designed to fit on the fixed 12 VDC camera and working with our power supply passive receiver hub, It's architected to convert power from the control room, while delivering realtime baseband (composite) video up to 300m over UTP cable.

Typical application

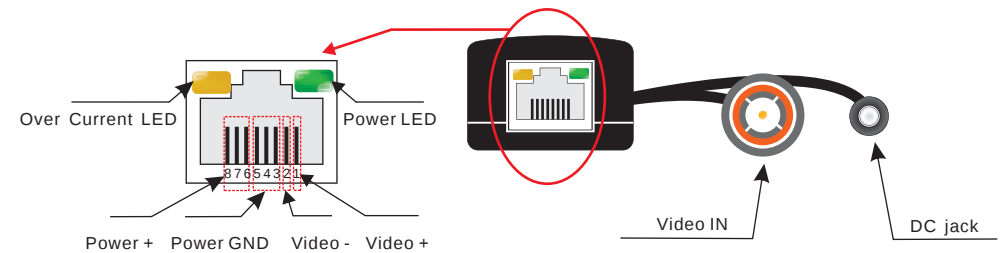


Features

- Provide camera regulated 12VDC power supply and transmit video up to 300m;
- Power will automatically recover once short circuit disappears;
- Power efficiency up to 85%;
- Compatible with formats including PAL, NTSC, SECAM;
- RJ-45 plug for easy installation;
- Super surge protection & interference rejection;
- Real time transmission.



Outer shell diagram



Installation Procedure

Please follow the next installation steps:

- (1) Please switch off cameras, monitors & DVR etc before installation .Or else installation with power may damage devices;
- (2) Make sure UTP cables and coaxial cables to be used are available;
- (3) Connect the video transmitter 12VDC converter with cameras via BNC-M and DC jack;
- (4) Connect video transmitter 12VDC converter and power supply passive receiver hub via UTP cable;
- (5) Connect the power supply passive receiver hub with DVR or monitor via coaxial cable;
- (6) Check all connection and power the whole system;
- (7) Check if image is normal and all devices are working normally.

Specification

	Item	Description
Function	Video	1channel
	Power Supply	1channel
	Transmission Distance	0-300m
Video Properties	Compatible with	PAL、NTSC、SECAM
	Interference Rejection	>60db
	Video Connector	BNC-M
Power Properties	Voltage Input	20V -36V DC
	Power Supply Output	12V DC
	Power Supply Connector	5.5DC-M jack
Protection	Surge Protection	2KV 10/700us Per IEC61000-4-5
	ESD	Contact Discharge:6000V Air Discharge:8000V IEC61000-4-2 1995
Reliability	MTBF	>1000h
Physical Properties	Size(LWH)	Body : 65*35*21mm Wire length : 150mm
	Outer Shell	ABS engineering plastic
	Color	Black
	N.W.	44g
Environmental	Operation Temperature	0°C- 55°C
	Storage Temperature	- 20°C -88°C
	Relative Humidity	0% - 95% (non-condensing)

Specifications subject to change without notice.

Troubleshooting

Please follow these steps if any trouble in installation:

- Check if it's according to the manual;
- Check if all connection is right, and if RJ45 does conform with IA/TIA568A or 568B;
- Make sure the cables are quality and the real distance not exceeds the allowed transmission distance;
- Check if connection is right and all devices are powered once there is no image;
- Replace the device at question by a normal working device;
- Please contact your vendor if trouble still exists.

How to make RJ45 plug

Instruments to be used: wire crimper, network tester.

Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

1. Shuck off about 2cm long the insulating layer, and bar the 4 pairs UTP cable.
2. Depart the 4 pairs UTP cable and straighten them.
3. Line up the 8 pieces of cables per EIA/TIA 568A or 568B.
4. Brunt cut the cables to leave 1.5cm bare wire.
5. Plug 8 cables into RJ45 plug, make sure each cable is in each pin.
6. Then use wire crimper to crimp it.
7. Repeat above 5 steps to make the another end.
8. Using network tester to test the cable whether is working.

RJ45 PIN Diagram

Pin Diagram	
1	video
2	video
3	Power -
4	Power -
5	Power -
6	Power +
7	Power +
8	Power +



EIA/TIA 568A

Pin Diagram	
1	video
2	video
3	Power -
4	Power -
5	Power -
6	Power +
7	Power +
8	Power +



EIA/TIA 568B



Attention:

- Make sure if one end is EIA/TIA568A, the other end should also be EIA/TIA568A.
- Make sure if one end is EIA/TIA568B, the other end should also be EIA/TIA568B.

Package Contents

- Single Channel Video Transmitter 12VDC Converter (1 pcs)
- User manual (1 pcs)

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