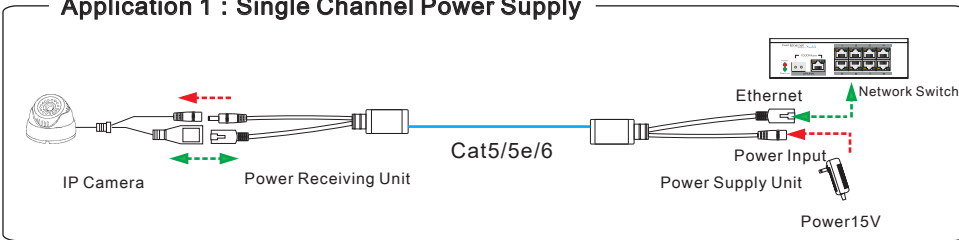
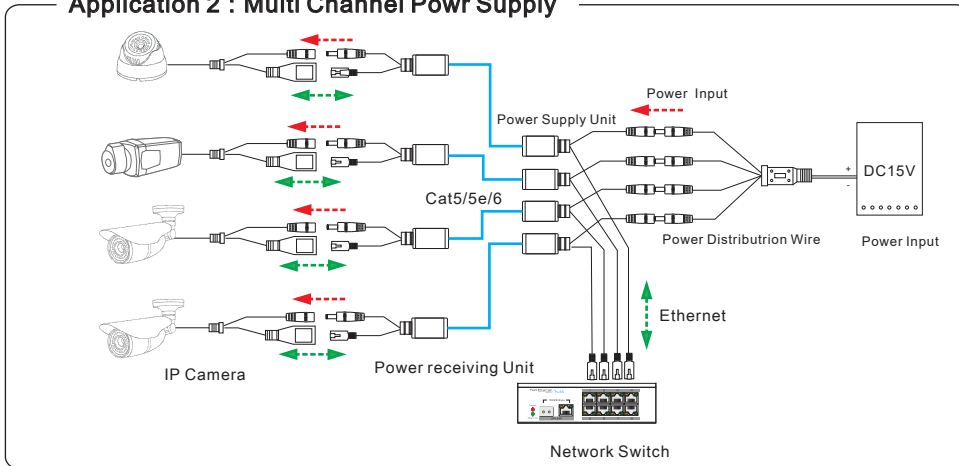


This ethernet power supplies include a power supply unit and a power receiving unit, it uses in 10/100M network, it transfers the power for the remote device over Cat5/5e/6 cable. This product use 4,5,7,8 pin to transfer power, the distance can up to 50 meters. At the same time ,the output voltage is 15V,24V,48V optional. Besides, work with 4ch or 8ch power distribution wire. The product can make various combination to save the cost and wiring .The product is widely used in security surveillance monitor and network engineering, It's easy application and stable function, this product is widely used in security surveillance monitor and network engineering sites.

Application 1 : Single Channel Power Supply



Application 2 : Multi Channel Power Supply



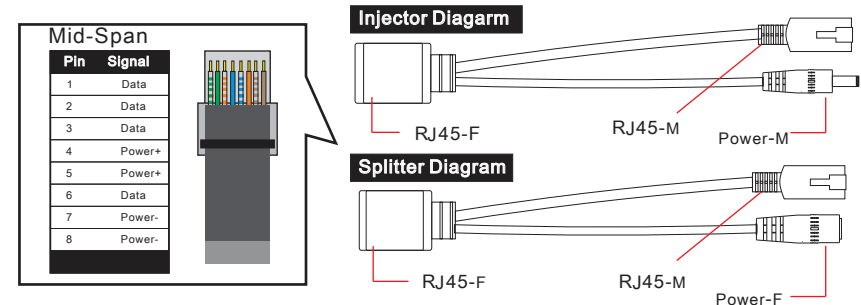
Feature

- Apply in 10/100M network, provide power for the terminal device in 0--50 distance;
- Adopt Mid-Span:1,2,3, 6 pin to transfer ethernet; 4,5,7,8 pin to transfer power;
- According to the terminal device consumption, it can select 15V,24V,48V, at the same time is related with the distance;
- Multi power supply can use at the same time via power distribution wire;
- Provide power for IP camera, wireless AP, IP telephone.

! Note

- 1) Please use standard Cat5e/6 cable to guarantee the power and ethernet transmission distance!
- 2) The product is passive, without stable voltage, current limit and control power circuit. Please select the power according to the terminal device consumption,(refer to the voltage table), and avoid to damage the device!

Device Diagram



Installation Step

Please check the following items before installation, if any missing, please contact your dealer.

- Power Supply Unit 1pc
- Power Receiving Unit 1pc
- User Manual 1pc

Please follow the following installation step

- 1) Turn off the signal and display device, install the product with power on may damage the transmission device;
- 2) Check the power consumption of network terminal, current and power voltage;
 - if it is 12V device, please select 15V power supply; refer to the power supply table, confirm if the voltage meet the requirement after transmission;
 - if it is 24V device, please select 24V power supply; refer to the power supply table, confirm if the voltage meet the requirement after transmission;
 - if it is PoE power supply, please select 48V 0.5A power supply, and make sure the ethernet transmission distance is in 100 meters;
- 3) Connect power supply unit's RJ45 with switch, and DC connector with power supply, then the network cable connect with the RJ45-F;
- 4) In terminal device, connect the power receiving unit's RJ45-M with network port, and DC power connector with power, network cable connect with the RJ45-F;
- 5) Network terminal work normally.

Specification

Item	Description	
Power	Power Supply	External Power Supply
	Voltage Range	DC5V ~ 60V
Network	Network Port	LAN : 10/100Mbps
	Transmission Distance	0--50(please refer to the power supply table) Input other power, please confirm it's ok then connect with the device
Network Switch	Network Standard	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX
Environmental	Working Temperature	0°C~55°C
	Storage Temperature	-40°C~85°C
	Humidity(Non-Condensig)	0~95%
Mechanical	Size(L×W×H)	25mm×18mm×190mm
	Material	Plastic
	Color	White
	Weight	57g

product are subject to change without prior notice

15V power transmission 0-50 meters receiving unit voltage :

Load Distance	1A	0.8A	0.5A	0.3A
10m	14.0V	14.2V	14.5V	14.7V
30m	12.0V	12.6V	13.6V	14.1V
50m	10.0V	11.0V	12.5V	13.5V

24V power transmission 0-50 meters receiving unit voltage :

Load Distance	1A	0.8A	0.5A	0.3A
10m	23.0V	23.2V	23.5V	23.7V
30m	21.0V	21.6V	22.5V	23.1V
50m	19.0V	20.0V	21.5V	22.5V

48V power transmission 0-100 meters receiving unit consumption:

Adopt 48V0.5A power can call it standard PoE power supply; in 100 meters distance, receiving unit consumption bigger than 12.9W , this meet standard PoE power supply requirement;

*Transmission medium: standard Cat5/5e/6 network cable, the resistance is 10Ω/100 meters, the cable's quality has a strong effect to the transmission distance, please use the qualified cable.

Trouble Shooting

Please follow the solution below to solve the device problem

- Please confirm if the installation is correct;
- Please confirm if the RJ45 cable order in accordance with the EIA/TIA568A or 568B industry standards;
- The maximum transmission device is related with the signal source and cable's quality, please don't exceed the device maximum transmission distance;
- Please replace a normal device with a failure one to check if the device is broken;
- If the problem still exist, please contact the after-sales service.

RJ 45 Making Method

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) Cut out 1.5 cm cable wrap and leave the 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) Follow the 5 steps above to make the another end, following the same sequence of the first plug;
- 8) Using network tester to test the cable whether is working.

pin	color
1	white/green
2	green
3	white/orange
4	blue
5	white/blue
6	orange
7	white/brown
8	brown



EIA/TIA 568A

pin	color
1	white/orange
2	orange
3	white/green
4	blue
5	white/blue
6	green
7	white/brown
8	brown



EIA/TIA 568B



Notice

- When choose RJ-45 make sure if one end is EIA/TIA568A, the other end should also be EIA/TIA568A.
- When choose RJ-45 make sure if one end is EIA/TIA568B, the other end should also be EIA/TIA568B.