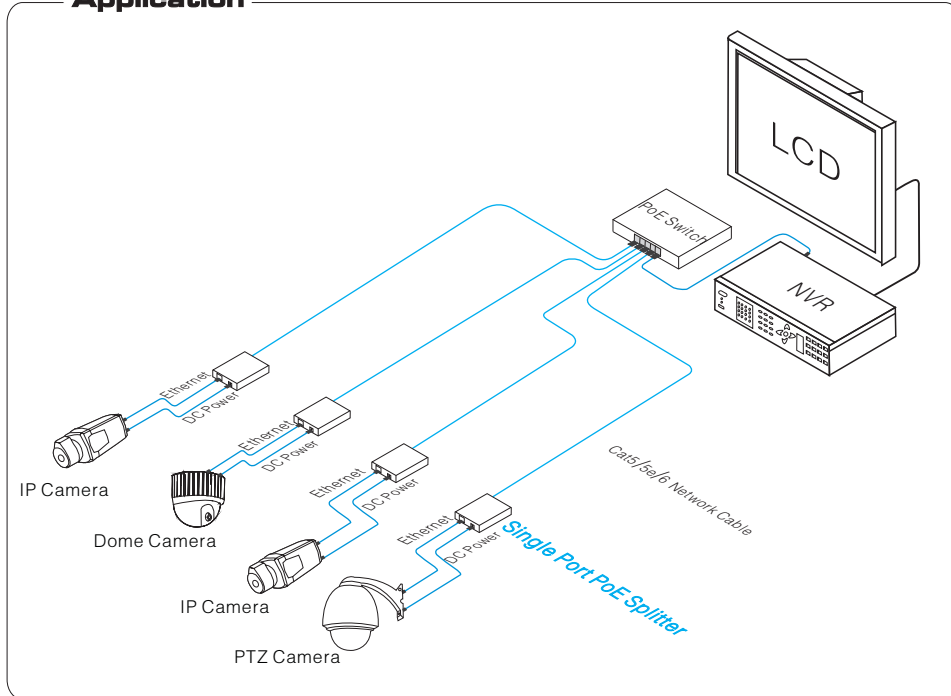


Single Port PoE Splitter/af

This is a PoE Ethernet & power splitter device which is based on IEEE802.3 af, it can work with PoE power supply device (such as PoE switch) which meet the IEEE802.3af standard and provide the network and power for the device which can not support PoE. This product is widely used in security surveillance and network engineer.

Application

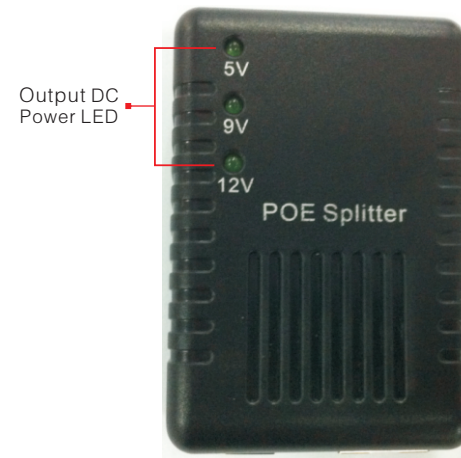


Feature

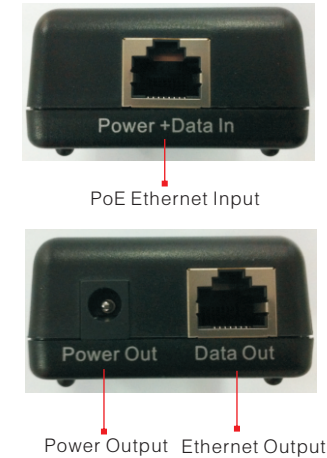
- Power Supply: Compatible with mode A (End-Span) and mode B (Mid-Span);
- Standard: IEEE 802.3 af, IEEE 802.3, IEEE 802.3u;
- Power Output: DC5V, DC9V, DC12V optional;
- Appearance and Structure: Compact size, easily install and meet the MIT rack installation standard;
- Operation: Plug and play, no need settings.

Board Diagram

Front



Side



Installation Step

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

- Single Port PoE Splitter 1pc
- DC Power Line 1pc
- User Manual 1pc

Please follow the following step

- 1) Please turn off the signal source and the device's power, installation with power on may damage the device;
- 2) Use a network cable to connect the PoE switch, and connect the other side with the splitter's PoE IN port;
- 3) Use another network cable to connect the IP camera with the PoE splitter's ethernet port;
- 4) Connect the DC power line with the splitter's DC port, and connect the other side to the IP camera's power port. Adjust to the proper voltage, DC 12V for example;
- 5) Check if the installation is correct and device is good, make sure all the connection is reliable and power up the system;
- 6) Make sure all the network devices have power supply and they are working normal.

Specification

Item	Description	
PoE Power Supply	Protocol	IEEE803.2af
	Power Supply	Compatible Mode A (End-Span) and Mode B (Mid-Span)
	Power Consumption	≤13W
	Input Voltage	PoE 36V ~ 57V
	Output Voltage	DC5V, DC 9V, DC 12V Optional
	Output Ripple	<5%
Ethernet Port	Ethernet Port	1 × RJ45 Input
	Transmission Rate	10/100Mbps
	Transmission Medium	Cat5/5e/6 Standard Network Cable
	Transmission Distance	100m (Maximum)
LED Status Indicator	Input PoE Power Indicator	1 (POE IN Port RJ45 Yellow Light)
	Output DC Power Indicator	3 LED, DC5V, DC 9V, DC 12V
Protection	ESD	1a Contact Discharge Level 3
		1b Air Discharge Level 3 Per: IEC61000-4-2
Environmental	Working Temperature	0°C~55°C
	Storage Temperature	-20°C~70°C
	Humidity (Non-Condense)	0~95%
Mechanical	Size (L × W × H)	82mm × 61mm × 25mm
	Material	ABS Plastic
	Color	Black
	Weight	65g
Stability	MTBF	>30000h

Product are subject to change without prior notice

Trouble Shooting

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

- 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 output consumption of the PoE port can't exceed 13W, please do not connect the network device which consumption is more than 13W;
Please replace a normal device with a failure one to check if the device is broken;
- If the problem still exist, please contact the factory.

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.