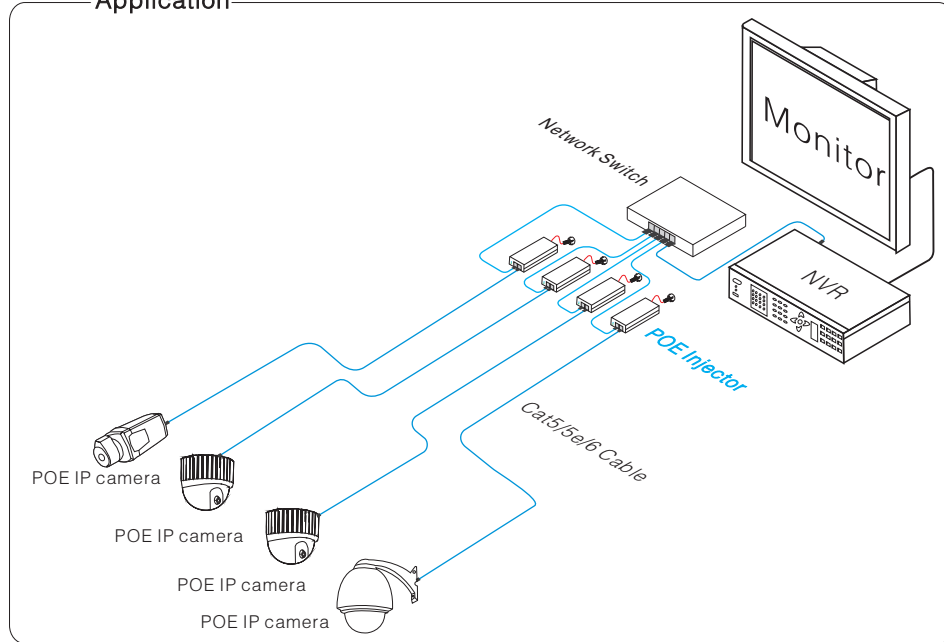# PoE Injector

The product is a Ethernet PoE Power Adapter. The device can transfer normal Ethernet signal into standard IEEE802.3af/at PoE Signal, to provide the power for device that support IEEE802.3af/at. The device can improve the system stability.

Application

POE IP camera

POE IP camera

POE IP camera

POE IP camera

■Features

● Power: AC100V~AC240V@50/60Hz;

● Power Rate: ≤30W;

● Transmission Medium: Cat5/5e/6 standard cable;

● Standard: IEEE802.3af/at;

● Protection: Wide voltage AC Input. Strong lighting protection, ESD, anti–interference;

● Structure: Support tablet and wallet installation;

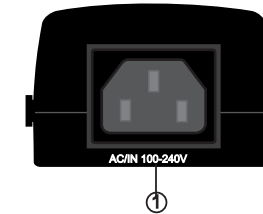   2 set of PoE power adapter can connect with the bayonet.

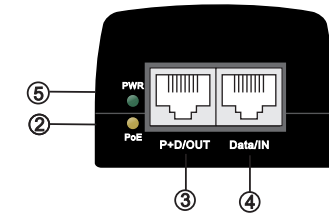## ⚠ Notice

To make sure the transmission quality, please use standard Cat5/5e/6 cable.
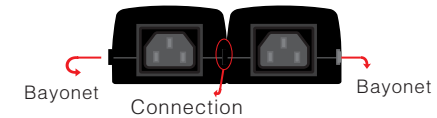
■Board Diagram

Front

AC/IN 100-240V

①

Back

PWR

PoE

P+D/OUT   Data/IN

⑤

②

③   ④

Bayonet

Bayonet   Connection   Bayonet

Board

No.	Board	Description
1	AC/IN 100–240V	AC100V~240V Power Port
2	PWR	Power LED, On power input
3	PoE	PoE LED, On PoE signal output
4	Date IN	Ethernet Input Port
5	PoE OUT	PoE Signal Output Port

■Installation

Please check the following accessory, if you find the item lost, please contact our local dealer.

● PoE Injector   1set
● AC Power Cable   1set
● User Manual   1set

Please take the following steps

1) Please turn off the system's power before the installation;

2) Please connect the PoE IP camera and POE power adapter PoE output port with cable;

3) Please connect PoE Data In port and network switch that does not support POE with cable;

4) Please connect PoE power adapter with AC cable;

5) Please Examine and power the sytem.

■ Specification

Item		Description
Power	Power	Electric Supply
	Power Voltage	AC100V~AC240V
	Output Power Rate	≤30W
Network Port	Communication Port	1×RJ45 Input
	TransmissionRate	10/100Mbps, 10/100/1000Mbps
	Transmission Medium	Cat5/5e/6 Cable
	Distance	100m (Max)
Status	Power LED	1 (Green)
	PoE LED	1 (Yellow)
Protection	Surge Protection	1KV Per: IEC61000−4−5
	ESD	1a Contact Discharge Level 3 1b Air Discharge Level 3 Per: IEC61000−4−2
Environment	Working Temperature	0℃~55℃
	Storage Temperature	−40℃~85℃
	Humidity	0~90%
Structure	Size	120mm×62mm×39mm
	Material	ABS Material
	Color	Black
	Weight	200g
Stability	MTBF	>30000h

Specification change will not be noticed

■ Problem Examination

Please remove the problem according to the following steps

- If the device installed according to the user manual;
- If the RJ45 reach the standard of EIA/TIA568A or 568B;
- Please make sure the POE port power rate output does not surpass 30W. Also please make sure the input network device power rate does not surpass 30W;
- Please use a normal device to replace the failure one;
- If the problem still exist, please contact the local dealer.

■ Plug Producing Method

Instruments to be used: wire crimper, network tester. Wire sequence of RJ45 plug should conform with EIA/TIA568A or 568B.

1) Please remove 2cm long the insulating layer, and bar the 4 pairs UTP cable;
2) Separate the 4 pairs UTP cable and straighten them;
3) Line up the 8 pieces of cables per EIA/TIA 568A or 568B;
4) Cut off the cables to leave 1.5cm bare wire;
5) Plug 8 cables into RJ45 plug, make sure each cable is in each pin;
6) Use the 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.

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.