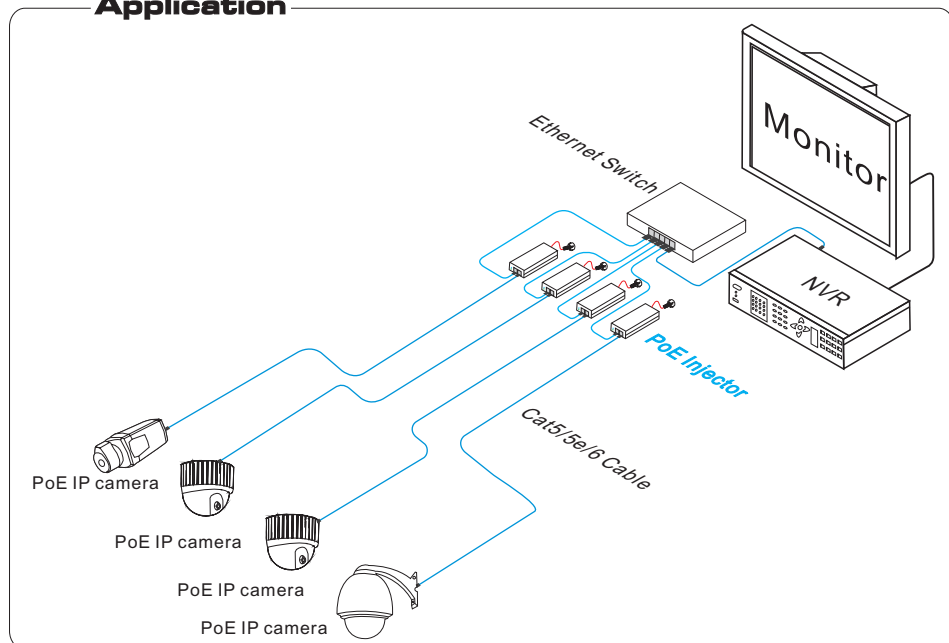


## Dataprodukter utöver det vanliga

This is a single-port PoE injector with one Ethernet port, one PoE output port, and one AC input power port. It supports end-span PoE and the output power consumption is up to 60W; It features: 10/100M/1000Mbps network, 100m transmission distance, 6KV lightning protection, industrial-level chip, and patent alert. It's an excellent choice for power supply and network transmission on PTZ cameras, all-in-one PC, digital display system.

### Application



### Features

- PoE++ power supply standard; Output power consumption up to 60W;
- Ultra PoE, IEEE 802.3af/at, IEEE 802.3 10Base-T/100Base-TX/IEEE802.3ab 1000Base-T;
- Higher conversion efficiency(90%); Lower heat radiation;
- Working Temperature: -10°C ~ 55°C;
- 6KV lightning protection; 8KV ESD;
- No fan, no noise, dustproof;
- LEDs indicate operation status.

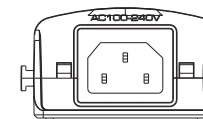


### Notice

The transmission distance depends on the signal source and cable quality, standard Cat5e/6 cable is strongly suggested for reaching the maximum transmission distance!

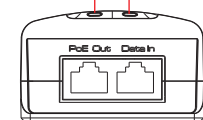
### Board Diagram

#### Front

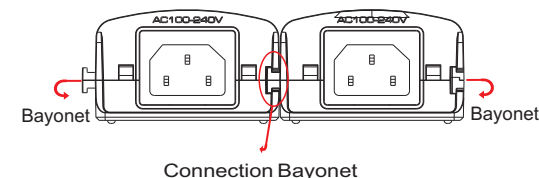


#### Back

Input power indicator      Output PoE indicator



#### Bayonet



### Installation

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

• PoE Injector	1pc
• AC Power Cable	1pc
• Power Buckle	1pc
• User Manual	1pc

#### Please follow installation steps as below

- (1) Turn off the system's power before the installation;
- (2) The PoE Output port of this injector is connected with PoE IP Camera;
- (3) The Data Input of this injector is connected with switch of no PoE function;
- (4) Please connect PoE Injector with AC cable;
- (5) Please examine and power the system.

## ■ Specification

Item		Description
Interface	Input Voltage	AC100V~AC240V
	Data Input	1×RJ45
	PoE output	1×RJ45
PoE	PoE Power Supply Type	End-span/Mid-span
	PoE Power Output	DC 54V/60 watts max. If 60W PoE only support MAXIM chip solution; If 30W PoE(af/at standard) can support all standard device
	Power Pin Assignment	Pair1:1/2(+),3/6(-) Pair2:4/5(-),7/8(+)
Ethernet Port	Communication Port	1×RJ45 Input
	TransmissionRate	10/100/1000Mbps
	Transmission Medium	Cat5/5e/6 Cable
	Distance	100m (Max.)
Status	Power LED	1 (Red)
	PoE LED	1 (Orange)
Protection	Surge Protection	PoE Power : 1KV(Differential Mode),2KV(Common Mode)1.2/50us , 8/20us Ethernet : 2KV(Differential Mode),6KV(Common Mode)10/7000us
	ESD	1a Contact Discharge Level 3 1b Air Discharge Level 3 Per: IEC61000-4-2
Environment	Working Temperature	-10°C~55°C
	Storage Temperature	-40°C~85°C
	Humidity(Non-condensing)	0~90%
Mechanics	Dimension(LxWxH)	160mm×64mm×60mm
	Material	ABS Plastics
	Color	Black
	Weight	200g

Product specifications subject to change without prior notice

## ■ Trouble Shooting

If any trouble in installation, please follow these steps

- Please make sure you have followed the instruction to install the device;
- Please confirm if the RJ45 cable order is in accordance with the EIA/TIA 568A or 568B industry standard;
- The power supply of PoE port is no more than 60W; please do not connect the network device whose power consumption is over 60W;
- Please replace a failure device with a proper one to check if the device is broken;
- If the problem still exist, please contact the local dealer.

## ■ RJ45 Making 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.