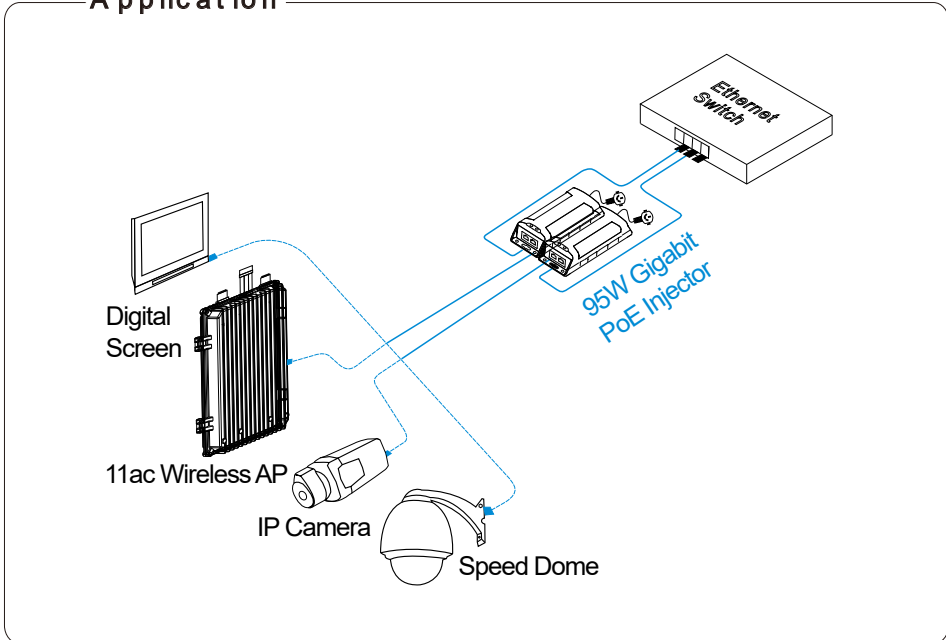




DATASHEET  
**CY-PoE-195**

This is a single-port PoE injector with one Ethernet port, one PoE output port, and one AC power input port. It is compatible with mid-span and end-span PoE power method, the output power consumption can be up to 95W; It features:10/100/1000Mbps network port,100m transmission distance, 4KV lightning protection. it's an excellent choice for power supply and network transmission on PTZ speed dome, 11ac wireless AP, digital display system.

### Application



### Features

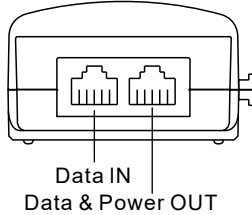
- PoE+ + power supply standard; Output power consumption can be up to 95W;
- IEEE 802.3af/at/bt, IEEE 802.3 10Base-T/100Base-TX/IEEE802.3ab 1000Base-T;
- Working Temperature: -10°C ~ 40°C;
- 4KV lightning protection; 8KV ESD protection;
- No fan, no noise, dust-proof;

### Notice

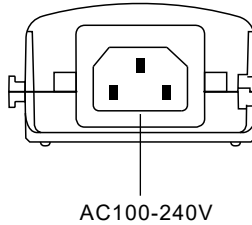
The transmission distance depends on the signal source and cable quality, standard Cat5e/6 cable is strongly suggested for reaching the maximum transmission distance!

## Board Diagram

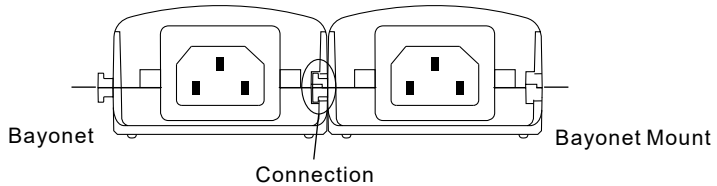
### Front



### Back



### 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 |
| ● User Manual    | 1pc |

### Please follow installation steps as below

- 1) Turn off the system's power before the installation;
- 2) The Data&Power Out port of this injector is connected with PoE powered devices;
- 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~240V
	Data Input	1×RJ45
	PoE output	1×RJ45
PoE	PoE Power Supply Type	Mid-span&End-span
	PoE Power Output	DC 56V 95 watts
	Output Ripple	< 5%
	Power Pin Assignment	1/2/7/8 ( - ) ,3/6/4/5 ( + )
Ethernet Port	Communication Port	1×RJ45 Input
	TransmissionRate	10/100/1000Mbps
	Transmission Medium	Cat5e/6 Cable
	Distance	100m (Max.)
Protection	Surge Protection	2KV(Differential Mode),4KV(Common Mode)
	ESD	Direct discharge: 6KV, Air discharge: 10KV
Environment	Working Temperature	-10°C~40°C
	Storage Temperature	-30°C~70°C
	Humidity(Non-condensing)	5~85%
Mechanics	Dimension(LxWxH)	169mm×96.5mm × 42.5mm
	Material	ABS Plastics
	Color	Black
	Weight	769g

*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 95W; please do not connect the network device whose power consumption is over 95W;
- 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.

**CYGNUS**  
electronics

