

PoE Single Port Passive Injector – 30W

POE-INJ01S



Quick Start Guide

Please read these instructions carefully before operating the unit and keep for further reference. All the examples and pictures used here are for reference only. The contents of this manual are subject to change without notice.

The Genie POE-INJ01S is a power over ethernet mid-span injector that offers an easy, fast and cost effective solution for powering PoE devices such as IP network cameras. Power and data are combined on a single cable eliminating the need for separate cables for data and power, reducing installation costs and time.

Features

- PoE+ power supply standard, output power consumption up to 30W
- IEEE 802.3af/at IEEE 802.3 10Base-T/100Base-TX/IEEE802.3ab 1000Base-T
- 6KV lightning protection, 8KV ESD
- Higher conversion efficiency (90%), Lower heat radiation
- No fan, no noise, dustproof
- LED's indicate operation status

Specifications

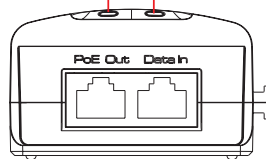
Interface	Input Voltage	AC100V~AC240V
	Data Input	1 x RJ45
	PoE Output	1 x RJ45
PoE	PoE Power Supply Type	End-span
	PoE Power Output	DC 54V/30 watts
	Output Ripple	<5%
	Power Pin Assignment	Pair 1/2(+),3/6(-)
Ethernet Port	Communication Port	1 x RJ45 Input
	Transmission Rate	10/100/1000Mbps
	Transmission Medium	Cat5/5e/6 Cable
	Distance	100m (Max.)
Status	Power LED	1 (Red)
	PoE LED	1 (Orange)
Others	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
	Working Temperature	-10 C~55 C
	Storage Temperature	-40 C~85 C
	Humidity (Non-Condensing)	0~90%
	Dimensions	160 × 64 × 60 mm

LED Indicators

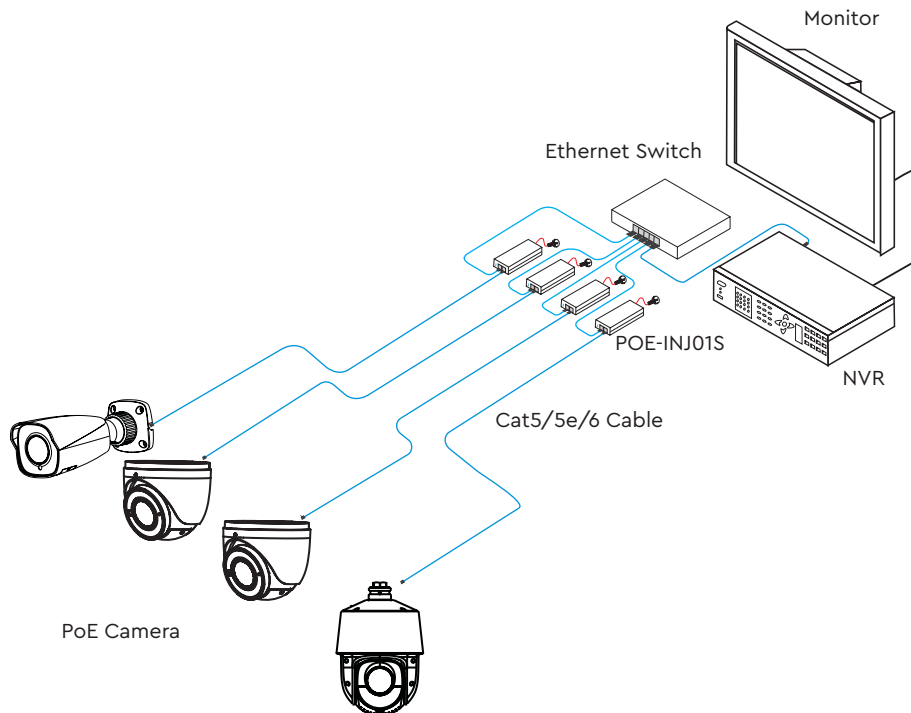
LED	Colour	Function
Power	Green	Lights to indicate that POE injector is powered
PoE	Yellow	Lights to indicate the port in providing 48v DC Power

Diagram

Input power indicator Output PoE indicator



Application



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

Installation Steps

Please check the following package contents, if you find the a missing item, please contact your local dealer.

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

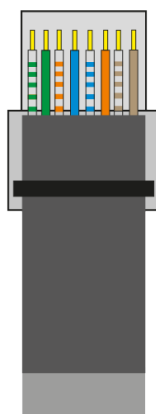
1. Turn off the system's power before the installation.
2. The PoE Output port of this injector is connected with PoE IP Camera.
3. The Data Input of this injector is connected with switch of no PoE fuction.
4. Please connect PoE Injector with AC cable.
5. Please examine and power the system.

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



EIA/TIA 568A

Pin Colour	
1	white/orange
2	orange
3	white/green
4	blue
5	white/blue
6	green
7	white/brown
8	brown



EIA/TIA 568B

Note:

- 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.

Troubleshooting

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 30W, please do not connect the network device whose power consumption is over 30W.
- Please replace a failure device with a proper one to check if the device is broken.
- If the problem still exists, please contact the local dealer.

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