

PoE Surge Protector – 10 / 100 / 1000 Mid / End Span

GSP1000



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 GSP1000 is a surge protector designed for both network and power. It features multi-level protection, large maximum discharge current, low limiting voltage, quick reacting time, low inserting loss and supports 10/100/1000 PoE Ports.

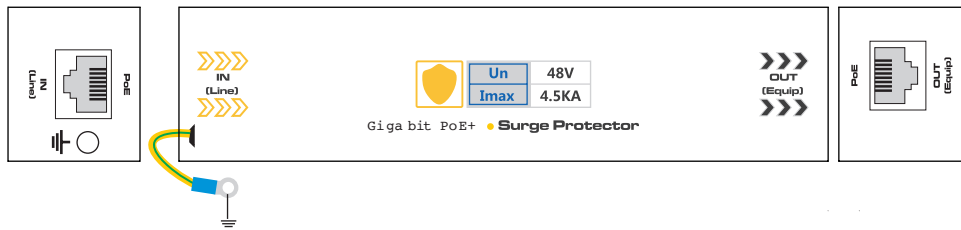
Features

- Standard: IEC61643-21:2000
- PoE and PoE+. Compatible with End-span and Mid-span
- Multi-function and multi-level over voltage protection, large capacity discharge current, low limiting voltage, quick reacting time, low inserting loss
- Grounding mode: Extending Line to ground
- Simple installation

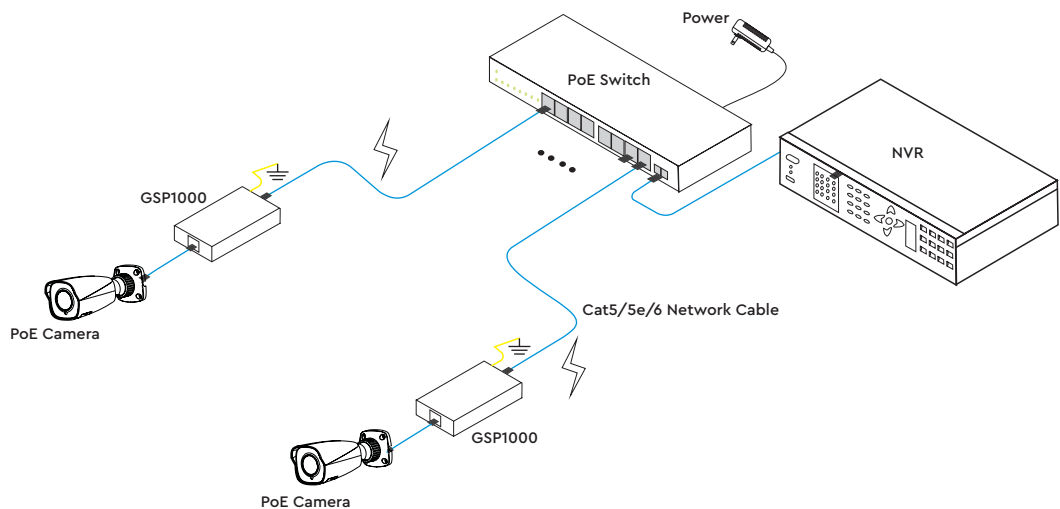
Specifications

Ethernet	Working Voltage (Un)	5V
	Nominal Discharge Current (In)	3KA
	Maximum Discharge Current (Imax)	5KA
	Protection Level (Up)	25V
	Rate	10/100/1000Mbps
	Response Time	1ns
	Insertion Loss	0.5dB
	Connector	RJ45
	Protection Circuit	1/2 3/6 4/5 7/8
Power	Working Voltage (Un)	48V
	Nominal Discharge Current (In)	3KA
	Maximum Discharge Current (Imax)	5KA
	Protection Level (Up)	200V
	Protection Circuit	1/2 3/6 4/5 7/8
Others	Operation Temperature	-40 C~85°C
	Storage Temperature	-40 C~75°C
	Humidity	0~95%
	Dimensions	100 × 37 × 27 mm
	Weight	100g

Panel Diagram



Application



Installation Steps

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

- 1x GSP1000
- 1x User Manual

Please follow the steps as below:

1. Please turn off the power before installation, power on may damage the device. Make sure that the network connection is reliable.
2. Use a network cable with crystal connector to connect the surge protector's network input and monitor, and use another network cable to connect the surge protector and IP camera.
3. Make sure the connection is reliable, power on the device.

Checks

1. Check the grounding resistance meets the specification before connecting the device to the system.
2. Connect the protector in front of the protected device.
3. Connect the device ground wire to protection ground strap in the shortest distance.
4. Protectors have In, Out symbol, connect output to protected device.
5. If the loss of consumption increases because of the socket bad connection etc. Please reconnect or change the protector.
6. Do not disassemble the protector to avoid damaging the protector.

Troubleshooting

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

- Inspect the surge protector
- Using multimeter " Ω " measuring input and output wire line resistance is 0Ω
- If ,resistance value is too much ,please replace for a new one.
- Using multimeter " Ω " measuring wire line resistance to ground wire (yellow green cable), over $400k\Omega$. If its resistance value is too low, such as 0Ω , please replace for a new one.
- If the problem still exists, please contact your distributor.

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