

Gigabit PoE Surge Protector

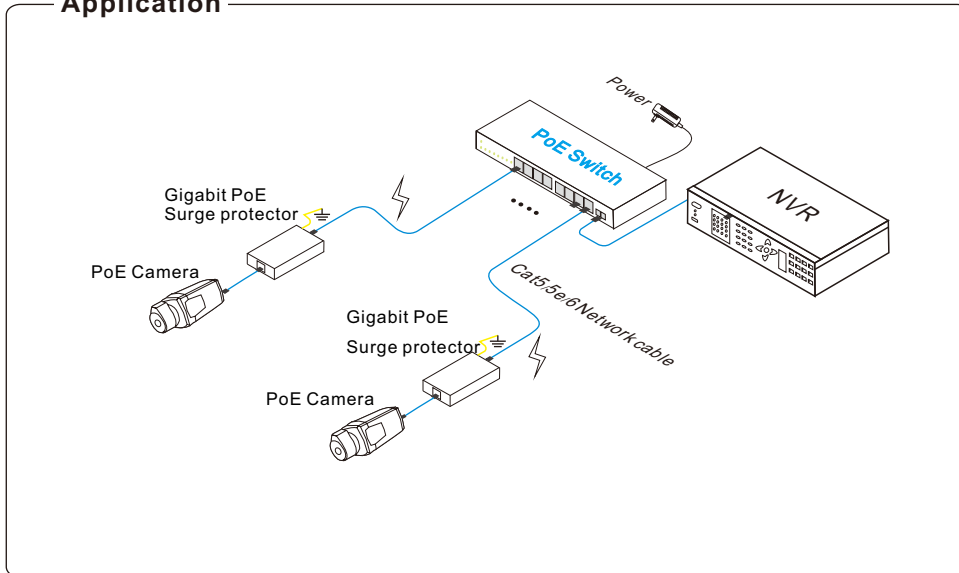
User Manual

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V4.1

The surge protector is designed for gigabit network PoE signal lightning protection, which can provide network and power lightning protection for other devices.

The device performs an excellent surge protection for data and power protection of IP camera by providing over-voltage protections, to prevent damage caused by induction over-voltage, operating over-voltage and electrostatic discharge. It has the advantages of multi-level protection, large current capacity, low limit voltage, fast response time, and small insertion loss. It can be widely used in security video surveillance, environmental monitoring field and so on.

Application



Features

- Support PoE and PoE+ (End-span and Mid-span).
- Support multi-function multi-level over voltage protection, with large current capacity, low limit voltage, fast response time, small insertion loss.
- Grounding mode: the extension cord is directly connected to ground.
- Aluminum shell design, compact size and convenient installation.

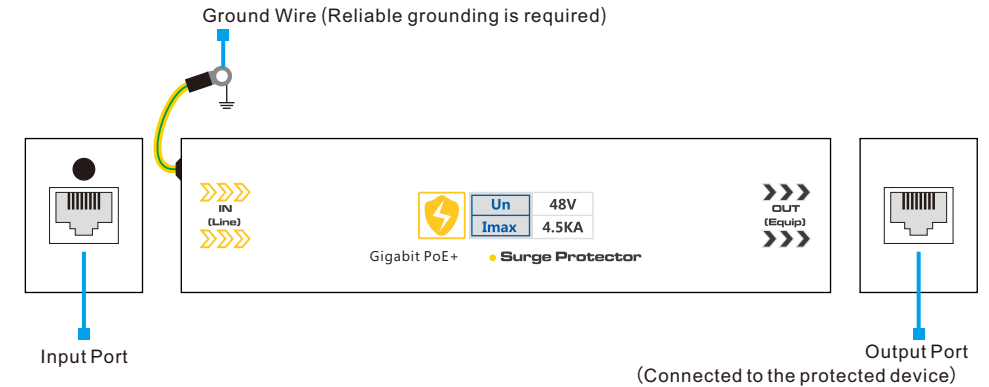


Notice

The output port of the protector should be connected to the protected equipment, and do not reverse it!

Board Diagram

Panels



Installation Steps

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

- Gigabit PoE Surge Protector 1PC
- User Manual 1PC

Please follow the following steps.

- 1) Please turn off the power before installation, power on may damage the device and make sure the network connection is reliable;
- 2) Use a network cable with RJ-45 connector to connect the input port of the protector and the network device, and use another network cable to connect the output port of the surge protector and protected device, such as the IP camera.
- 3) Make sure the connection is reliable, then power on the device.

Instruction:

- 1) Before connecting the protector to the system, check the grounding resistance first, and it should meet the requirements of local safety regulation;
- 2) Connect the protector to the protected equipment, and the connection must be reliable;
- 3) Connect the ground wire of the protector to the protective ground line as short as possible;
- 4) The output port of the protector should be connected to the protected equipment, and do not reverse it, otherwise the lightning protector will be damaged and your equipment cannot be protected;
- 5) If the loss of the surge protector increases due to poor connection of the plug socket or other factors, please reconnect or replace with a new protector;
- 6) Do not disassemble the fasteners of each part of protector, so as to avoid damage and affect normal operation.

■ Specification

Items		Description
Ethernet	Working Voltage (Un)	5V
	Nominal Discharge Current (In)	3KA
	Maximum Discharge Current (Imax)	4.5KA
	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)	4.5KA
	Protection Level(Up)	200V
	Protection Circuit	1/2 3/6 4/5 7/8
Environmental	Working Temperature	-40°C ~ 75°C
	Storage Temperature	-40°C ~ 85°C
	Humidity	0~95% (No condensation)
Mechanical	Weight	100g
	Dimension (W*D*H)	100mm*37mm*27mm
	Outer Shell	Aluminum

Products are subject to change without prior note!