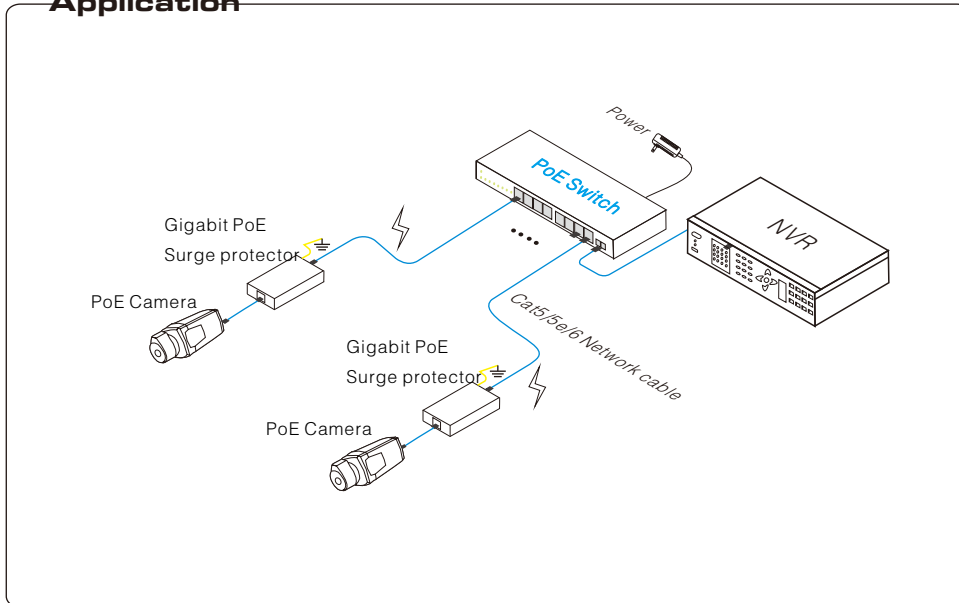


Gigabit PoE Surge Protector

The surge protector is based on the IEC61643-21:2000 standard, integrated with surge protection for both network signal and power together. It features multi-level protection, large maximum discharge current, low limiting voltage, quick reacting time, low inserting loss etc..It is adapted to HD IP camera data signal and power over voltage protection, exempt from the damage caused by reacting over-voltage,operating over-voltage and static electricity discharge etc..It is widely used in security surveillance, environment surveillance etc..

Application



Features

- Standard: IEC61643-21:2000;
- Protection: PoE and PoE+. Compatible with End-span and Mid-span;
- Function: Multi function&multi-level over voltage protection, large capacity discharge current, low limiting voltage, quick reacting time, low inserting loss;
- Grounding mode: Extending Line to ground;
- Outlook design Clear mark, easily recognized, aluminum shell, delicate size, simple installation.

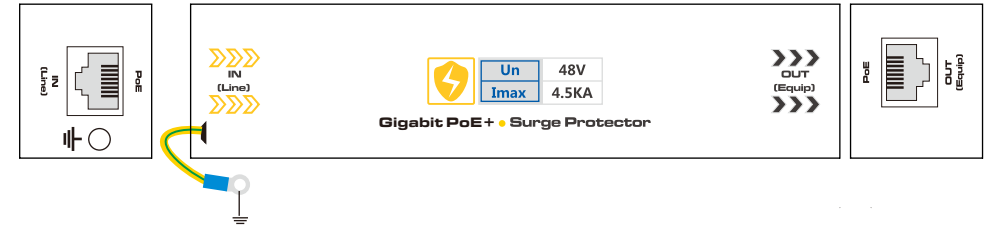


Notice

Surge protector's output should connect to the equipment are protected, make sure do not connect on the contrary!

Board diagram

PoE Surge Protector



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 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.

Instruction:

- 1) Check grounding resistance that should meet the specification before connecting the device to system.
- 2) Connect the protector in front of the protected device reliably.
- 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, don't connect on the contrary, otherwise it will damage the protector and the device can't be protected.
- 5) If the loss consumption increases because of the socket bad connection etc. Please reconnect or change the protector.
- 6) The user can not disassemble the protector to avoid damaging the protector and affect the normal working.

Specification

	Item	Description
Ethernet	Working voltage(Un)	5V
	Nominal discharge current(In)	3KA
	Maximum discharge current(I _{max})	5KA
	Protection level(U _p)	25V
	Rate	10/100/1000Mbps
	Response Time	1ns
	Insertion loss	0.5dB
	Connector	RJ45
Power	Protection circuit	1/2 3/6 4/5 7/8
	Working voltage(Un)	48V
	Nominal discharge current(In)	3KA
	Maximum discharge current(I _{max})	5KA
	Protection level(U _p)	200V
Environmental	Protection circuit	1/2 3/6 4/5 7/8
	Working temperature	-40°C ~ 85°C
	Storage temperature	-40°C ~ 75°C
Mechanical	Humidity(non-condensing)	0~95%
	Weight	100g
	Dimension(L×W×H)	100mm×37mm×27mm
	Outer shell	Aluminum

Products are subject to change without prior note!

Trouble shooting

Inspect 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 400kΩ. If it resistance value is too low, such as 0Ω, please replace for a new one.