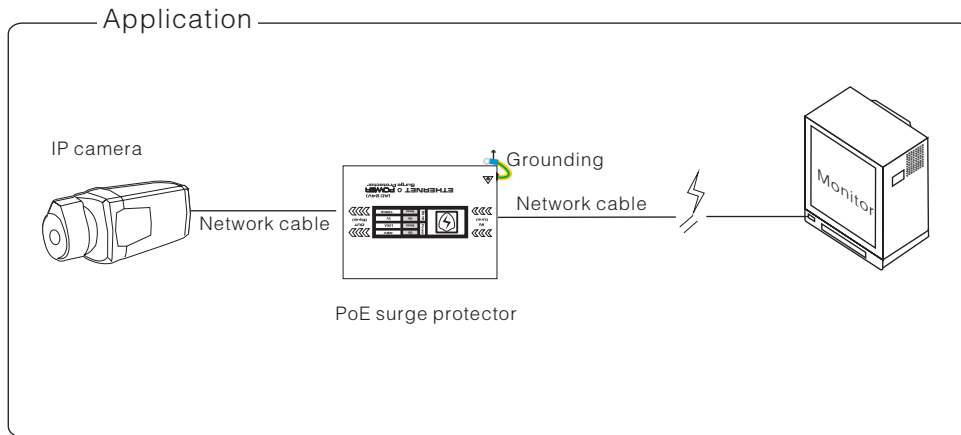


PoE Surge Protector

This 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's over voltage protection, exempt from the damage caused by reacting over-voltage, operating over-voltage and static electricity discharge etc..It can be widely used in security surveillance, environment surveillance etc..



Features

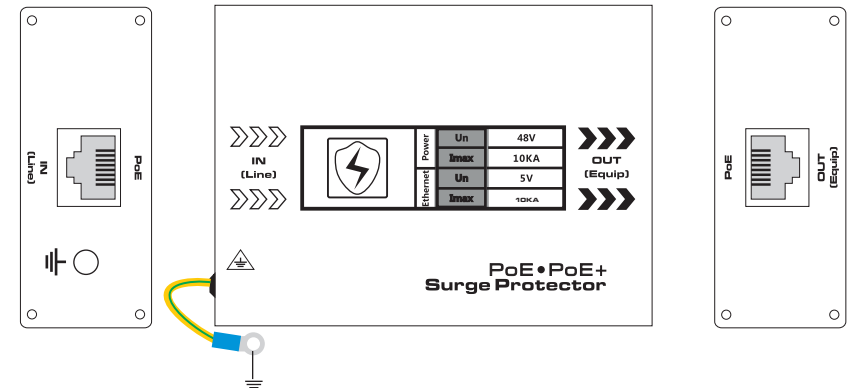
- Standard: IEC61643-21:2000;
- Protection: PoE and PoE+;
- Function: Multi function&multi-level over voltage protection, large capacity discharge current, low limiting voltage, quick reacting time, low inserting loss;
- Grounding mode: Extending Line to ground;
- Outlook design: Clear mark, easily recognized,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

- PoE surge protector 1 pc
- User manual 1 pc
- Hangers 1 pair

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.

Notice:

- 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	
Network	Rated working voltage	5V	
	Maximum continuous working voltage	6V	
	Nominal discharge current (8/20us)	3KA	
	Maximum discharge current (8/20us)	10KA	
	Limiting voltage between lines (10/700us)	core wire—core wire	≤25V
		core wire—earth	≤500V
	Insulation resistance	≥0.4MΩ	
	Insertion loss	≤0.9dB	
	Bandwidth	(0.3–100) M	
	Transmission rate	100Mbps	
Reacting time	≤1ns		
Protective lines	1/2,3/6		
Power	Rated working voltage	48V	
	Maximum continuous working voltage	60V	
	Load current	250mA	
	Nominal discharge current (8/20us)	5KA	
	Maximum discharge current (8/20us)	10KA	
	Limiting voltage(8/20us)	250V	
Reacting time	≤1ns		
Environment	Working temperature	0°C ~ 55°C	
	Storage temperature	-20°C ~ 70°C	
	Humidity (non-condense)	0~95%	
Mechanical	Net weight	157g	
	Dimension	105mm × 52mm × 28mm (include interface length)	
	Material	Aluminum	
Stability	MTBF	>30000h	

Products are subject to change without prior note!

Trouble shooting

- 1) Surge protector doesn't need special maintainance, if it's damaged by high voltage, lightning strike(When LED indicator is off that means it lose lightning protection ability),please change the protector;
- 2) Use multimeter “Ω × 10” grade to measure protector's resistance between input and output core wires ,it should be less than 4.7 Ω ; in case of open circuit, please change the protector;
- 3) Use multimeter “Ω × 1M” grade to measure core wire's resistance to the earth and it should be about 400k Ω .Otherwise please change the protector.