SC&T

Surge Protector

User Manual

Item No.： SP009P

HD-TVI/AHD/HDCVI/CVBS POC (Power over Coax) Surge Protector
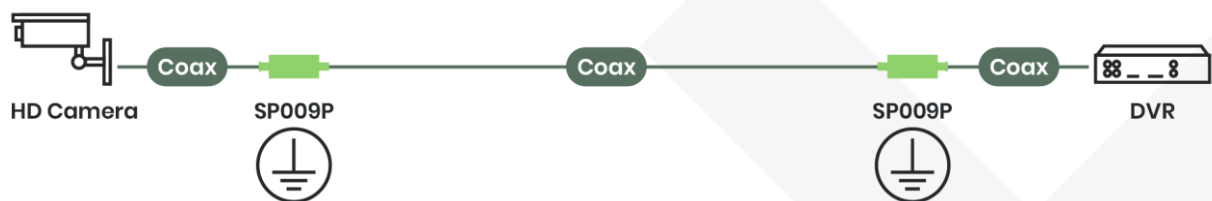
Introduction

SP009P is a surge protector designed to protect HD-TVI, AHD, HDCVI, CVBS, and PoC (Power over Coaxial) device from high voltage spikes without compromising the performance of network bandwidth and power transfer.
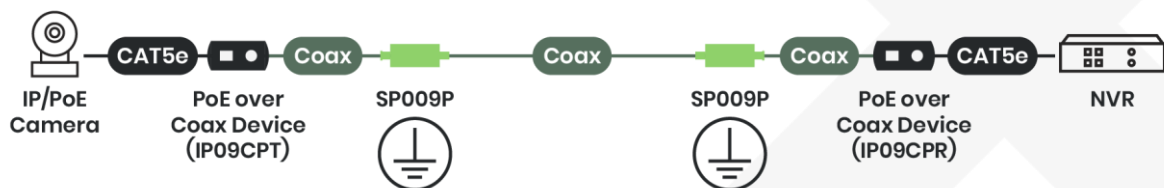
Features

- Supports HD-TVI, AHD, HDCVI, CVBS, and PoC devices.
- Supports PoC (Power over Coaxial).
- Resolution up to 8MP (4K).
- Max surge current up to 25KA.
- Network bandwidth up to 100Mbps at 450M.
- Response time less than 1 microsecond.
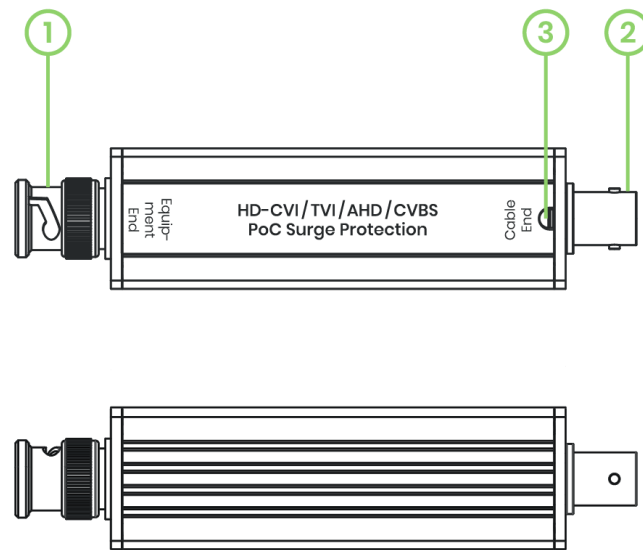- Compliant with IEC 61000-4-5.

Diagram

Connect a HD Camera **(Must connect to the earth ground)**

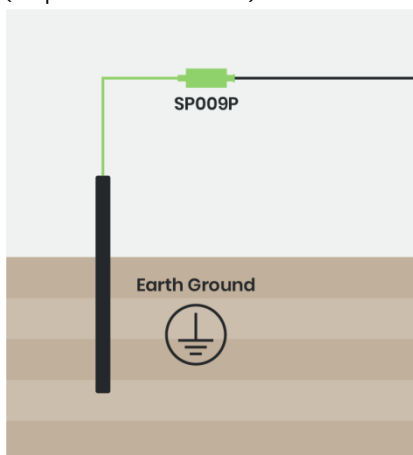Connect a PoC Device **(Must connect to the earth ground)**

Panel View

No	Interface	Function
1	Equipment End	To connect a video source.
2	Cable End	To connect a coaxial cable.
3	Ground Wire	To connect the ground.

Caution

1. We recommend using a RG-coaxial cable, such as RG59/ RG6U.
2. To effectively protect your device, please ensure to connect the ground wire to the earth ground (Impedance < 100Ω).

3. Do NOT connect the ground wire to an electrical wire.
4. We recommend using SP009P with IP09CP (PoE over coaxial extender).
   ※ IP09CP has built-in ESD protection, you can use it with SP009P to improve the protection.
   ※ SP009P might shorten the transmission distance by up to 50M.

Specification

Item No.	SP009P
Support	
Compliant	IEC 61000-4-5 PoC
Bandwidth	0 to 1000Mhz
Response Time	< 1us
Insertion Loss	0.8db@42 MHz
Max. Discharge Current	25kA (8/20 us)
Maximum Operating Voltage	58V
Ports & Interfaces	
Input (Equipment End)	1 x BNC (Male)
Output (Cable End)	1 x BNC (Female)
Ground	1 x Fork-type cable lug
Ambient Temperature	
Operation	-40 to 90°C
Storage	-40 to 90°C
Humidity	Up to 95%
Operating Altitude (Max)	2000M
Physical Characteristics	
Mounting	Rack-Mount / Wall-Mount
Dimension	112.65 x 25.4 x 25.4mm
Weight	85g

RoHS CE