

**Signal SPD Series**

**MDI Surge protector for HD Networking Camera**

**RJ45 /connector 5KA 5/12V**



**Description**

MDI surge protector is designed for HD networking camera with PTZ control, protecting power & network line from lightning electromagnetic pulse, induced over voltage, and operating over voltage.

**Features of Signal SPD series**

- Low insertion loss, fast response time, and low limiting voltage
- Precise limiting voltage, large discharge current
- High transmission rate, low bit error rate
- PCB designed with micro-strip, high isolation and slight line disturbance

**Application Of Signal SPD Series**

- Monitor equipment(eg power, PTZ, camera) of surveillance system
- Bank monitoring system
- HD surveillance system of school, enterprise and road.

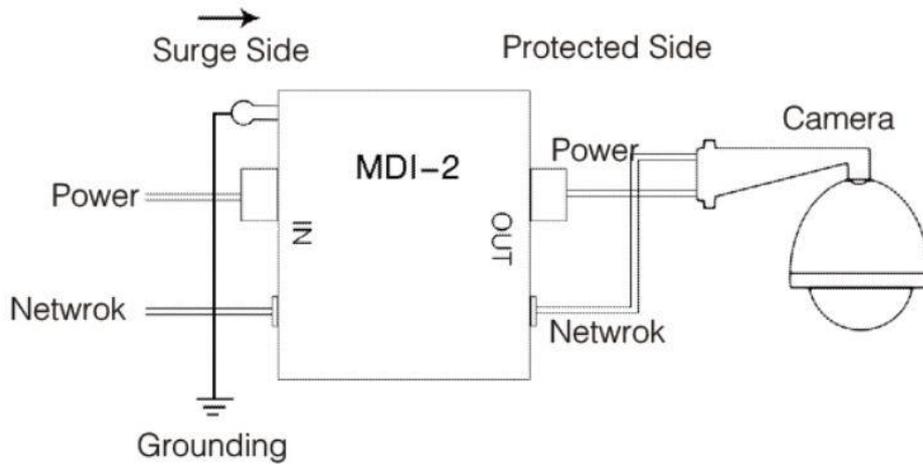
**Specification**

Model	MDI-2-12	MDI-3-24	MDI-3-220
Lightning projection zone(LPZ)	2		
Standards Compliance	IEC61000, EN60950		
According to IEC61643	III		
According to DIN VDE6075 Part6(Draft 11.89) A1,A2	D		
Max continuous operating voltage Uc	Network:5V	Network:5V	Control:12V
Nominal discharge current (8/20μs) In	3KA		



Max discharge current I <sub>max</sub> (8/21μs) I <sub>max</sub>	5KA		
Transmission rate	Network:1000Mbps	Network:1000Mbps	Control:10Mbps
Limiting Voltage(10/700μs)component wire-Enclosure	Network:20V	Network:20V	control:40V
Interface form	Network:RJ45 Power, Control: Clamped type		
Nominal working voltage(Un)	12V	24V	220
Max continuous operation voltage(U <sub>c</sub> )	275V AC		
Nominal discharge current I <sub>max</sub> (8/20μs)	5kA		
Max discharge current I <sub>max</sub> (8/20μs)	10kA		
Load current	0.5A		
Protection level Up ( In)	60V	100V	900V
Response time (T <sub>a</sub> )	25ns		
Mounting	Be Installed between protected equipment and signal line		
Working conditions	Clamped type		
Dimension	88*68*40mm(No terminal)	88*68*38mm(No terminal and rail)	
Interface form	Clamped type		
Standards Compliance	IEC61643-1, EN60950,GB/T18802.21-2002,TB/T2311-2002, YD/T1235.2		
IP code(IEC EN 60529)	IP20		
Error rate	≤10 <sup>-12</sup>		
Material/color	Aluminum/Blue		
Insertion loss	≤0.5dB		
Working conditions	Temperature: -40 to 85℃, Relative humidity: ≤95%		

Installation And Wiring Diagram of MDI-2 SPD



MDI-2

Download the datasheet of MDI-2 series