



Signal SPD Series
Surge protector for HD SDI Camera
BNC/connector 5KA 12V



Description

- Low insertion loss, fast response time
- 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

Features of Signal SPD series

- Multi. Protection circuits, Gas-Tube+ TVS technology
- Dual protection in Common module and different module
- TVS array technology, low capacitance
- DC power supply is allowable
- Multi-Strike Capability
- Patent technology

Application Of Signal SPD Series

Designed for monitor device not to be spoiled by lightning over-voltage, induced over-voltage and static discharge.

- Video Camera , CCTV
 - E1, PDH, SDH, SPDH
 - Digital hard disk video cassette recorder (DVR)
 - Security system, Access control system, Protection for the monitoring system.
- HD SDI surveillance system; Video transmission equipment;

Specification

Model	SDI-1	SDI-2	SDI-3
Lightning projection zone(LPZ)	2		
Standards Compliance	IEC61643-1, EN60950,GB/T18802.21-2002,TB/T2311-2002, YD/T1235.2		
According to IEC61643	III		
According to DIN VDE6075 Part6(Draft 11.89) A1,A2	D		
Max continuous operating voltage Uc	12VDC		
Nominal discharge current (8/20μs) In	3KA		
Max discharge current I _{max} (8/21μs) I _{max}	5KA		
Transmission rate	Video:10Mbps	Video:1.485Gbps/3Gbps	
Limiting Voltage(10/700μs)component wire-Enclosure	40V		
Nominal working voltage(Un)	12V	24V	220V
Max continuous operation voltage(Uc)	15V	30V	275V
Nominal discharge current I _{max} (8/20μs)	5kA		
Max discharge current I _{max} (8/20μs)	10kA		
Load current	0.5A		
Protection level Up (In)	60V	100V	900V
Response time (Ta)	1ns		
Mounting	Be Installed between protected equipment and signal line		

Working conditions	Clamped type	
Dimension	90*25*25mm	118*90*45mm
Interface form	BNC(J,K according to the actual needs of the configuration) Video:BNC,PTZ control Clamped type	
IP code(IEC EN 60529)	IP20	
Error rate	$\leq 10^{-12}$	
Material/color	Aluminum/Blue	
Insertion loss	$\leq 0.5\text{dB}$	
Working conditions	Temperature: -40 to 85°C, Relative humidity: $\leq 95\%$	

Installation And Wiring Diagram of SDI-3 SPD

