

Indoor Quad Coaxial Video Surge Protector Models: CMSP-VIDEO-4/CMSP-VIDEO-4I

Applications

- Surveillance and CCTV Cameras
- Digital Video Recorders
- Video Monitors
- PC Based DVRs
- 75 Ohm coaxial Lines

Features

- Four Individual Modules
- Isolated or Grounded Versions
- DC - 75 MHz Bandwidth
- Low Insertion Loss
- Field Repairable



Description

The CMSP-VIDEO-4 and CMSP-VIDEO-4I Quad Port Surge Protectors from L-com provides protection for video equipment from destructive electrical surges due to lightning or noisy electrical equipment. The units are ideal for protecting Surveillance and CCTV Cameras, DVRs, Surveillance PCs and Video Monitors. The units will also protect RF and video equipment connected to 75 Ohm coaxial lines.

The units utilize an avalanche diode in concert with a low capacitance diode array. This minimizes capacitive loading of the line and provides improved frequency response over competitor's models. The CMSP-VIDEO-4 connects the coaxial cable shield to the unit's ground terminal. The CMSP-VIDEO-4I offers isolated BNC connectors and cable shields for equipment or installations prone to ground loops. The CMSP-VIDEO-4I features a Gas Discharge Tube connected between the coaxial shield and the unit's ground terminal.

The rugged aluminum chassis can be wall or shelf mounted. Mounting holes are provided on the unit. The individual protector modules are field replaceable.

Specifications

Electrical Specifications

Connectors	BNC Female Jacks
Impedance	75 Ohms Unbalanced
Insertion Loss DC-10 MHz	.1 dB
Insertion Loss @ 75 MHz	3 dB
Protection Voltage	+/- 7.5 Volts Max.
Gas Discharge Tube	+/- 90 Volts Max.

Mechanical Specifications

Chassis Material	Aluminum
Grounding Lug	12 AWG Max.
Operating Temperature	-40 C (-40 F) to +80 C (+176 F)
Weight	2.5 lbs (1.2kg)
Dimensions (H x W x D)	3.1 x 7.0 x 1.2 (inches) 79 x 177.8 x 31.8 (mm)
RoHS Compliant	Yes

Simplified Circuit Schematic

