MaxiiGuard™

Vi2001

Ethernet Surge protector

Features

- Innovative direct in line port plug in module saving valuable equipment space
- Able to ibe nstalled only those ports that require extra protection
- Ideal protection for standard and extended Ethernet runs
- Provides port protection for cameras, DVRs and NVRs
- Compatible with 10/100/1000 BaseT ports
- Does not require extra ground cable
- Compatible with 802.3af, 802.3at and 802.3bt PoE standards
- Tested and certified to EN61000-4-5 and EN55024 surge standards

Applications

- Ethernet cable runs subject to exposed elements or operating close to power line and other electrically powered equipment
- Extended distance Ethernet cable runs
- Ethernet Networks in industrial environment
- IP cameras and other network equipment installed in parking lots, warehouses and perimeter applications

Vigitron's Vi2001 in line Ethernet surge protector is designed to provide protection where cable runs can be subject to electric spikes from outside environmental sources. These spikes can damage equipment. The Vi2001 minimizes this potential by its built in ability to self-discharge these spikes.

Its small format and easy to install is compatible with any RJ45 connector without the need for additional mounting or separate ground cable. Port data transfer is provided at 10/100/1000BaseT. The Vi2001 requires the shield of RJ45 connectors to be connected to chassis ground.

Technical Specifications

Electrical

Ethernet Interface	Standard 10/100/1000BaseT
Ethernet Cable	Category 5 or higher
Status LEDs	Traffic, Link through Light-pipe
Connectors	Male RJ-45, Female RJ-45
GND Connection	Through Metal Tab
Compatible with	IEEE 802.3af PoE, IEEE 802.3at and IEEE 802.3bt PoE

Compliances

Tested and Certified for	IEC 61000-4-2: ESD @ 15Kv (air), 8Kv (contact) IEC 6100-4-5: Lightning @ 8/20us IEC 61000-4-2: 2006 EN 55024:
Compliance Category	B
Let through Voltage 1	15Kv (air) 8Kv (contact)

Environmental

Humidity	0 to 95%, non-condensing
Temperature	Operating: -40°C to +75°C Storage: -40°C to +85°C

Mechanical

Dimensions	0.55x0.63x1.1 in., 14x16x28 mm (HxWxL)
Weight	0.009 lb, 4 g

*Specifications subject to change without notice.

Ordering Information

Part No.	Description
Vi2001	Inline Ethernet Surge Protector

VIGITRON
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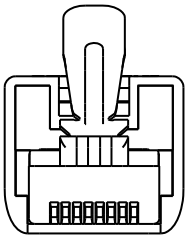
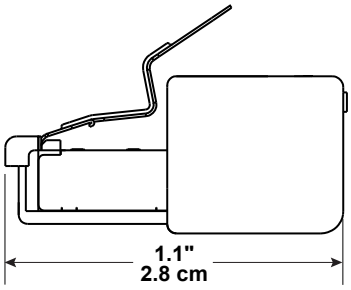
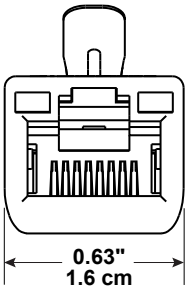
Mechanical Drawings

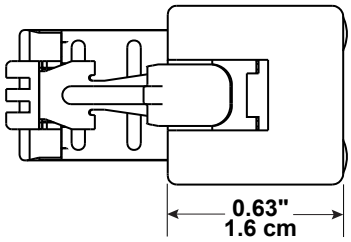


Left View



Side -View





Top View

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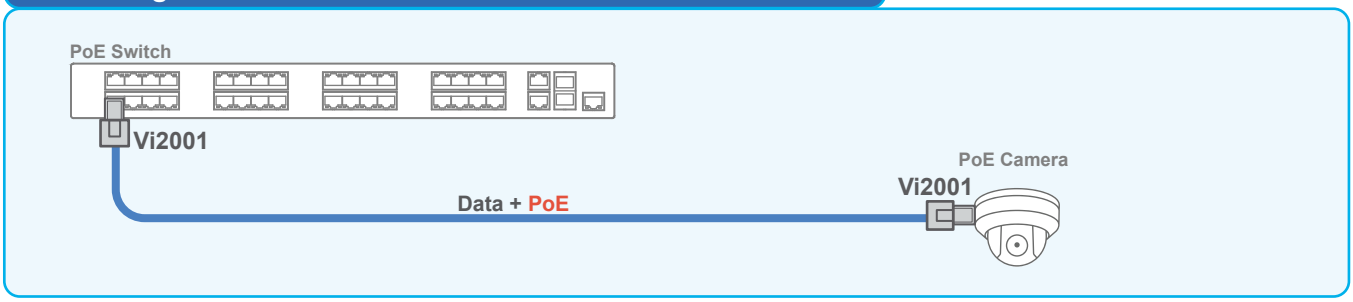
Application Drawings

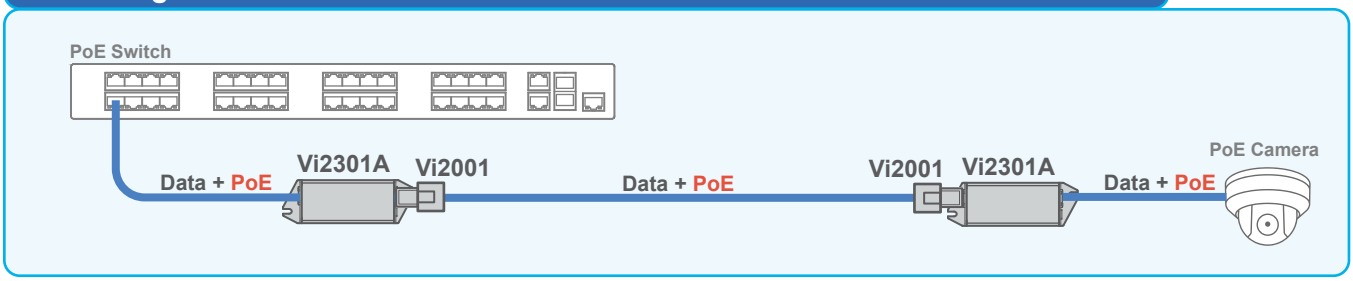
Cat 5/6

Protecting Ethernet and PoE transmission over UTP wires



The Vi2001 can protect networking equipment against damaging voltage surges over standard distance UTP cables.

Protecting Ethernet and PoE transmission over Extended distance UTP wires



The Vi2001 can protect networking equipment against damaging voltage surges over extended UTP cables.

System Configuration

Standard Distance Ethernet Cable

Extended Distance Ethernet Cable

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