

# Model IPCOAX16

## 16 Ch. Ethernet over Coax Surge Protector

# Installation and Operation Manual

### Description

The IPCOAX16 is designed to provide 16 channels of Ethernet over Coax surge protection, as well as supporting PoE+ devices. It is cost-effective and ideally suited for protecting multiple devices. The IPCOAX16 is rack mountable in a standard 19" rack. It installs in minutes and provides a single easy access point for grounding. The 16 channels use 58 volt solid-state clamping for unmatched protection.

### Specifications

<b>Size</b>	2 RU
<b>Connection Video</b>	Standard female BNC
<b>Clamping Voltage</b>	58v (on all channels)
<b>Impedance</b>	50 and 75 ohms
<b>Temperature</b>	-40°C to +85°C

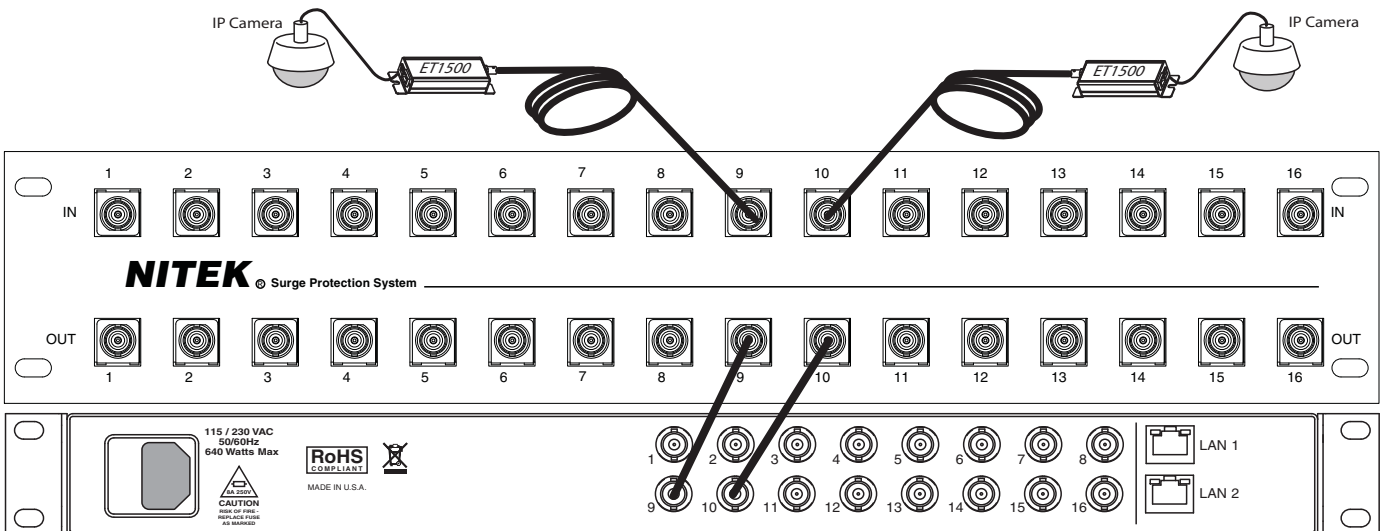
### Installation

The IPCOAX16 must be properly installed to insure maximum protection. The function of the IPCOAX16 is to allow a surge to be routed to ground and to clamp the protected equipment video inputs to a minimum voltage.

There are three key points to remember when installing the IPCOAX16. First, provide a low impedance connection between the IPCOAX16 and your protected equipment. This is best done by keeping the **PROTECTED** coax cable connections as short as possible, ideally less than 3 feet, and using a coax with a good braid.

Second, the system should use a single ground point. Connect the grounding stud of the IPCOAX16 to a single ground point. A single ground point is a proper building ground to which equipment grounds are connected. Ideally, the protected equipment should be isolated from ground. If the IPCOAX16 and the protected equipment are both grounded you will provide a parallel path to ground and a portion of the surge current can flow through that path. Additionally, AC power line protectors should be used to complete your surge protection strategy.

Finally, the **UNPROTECTED** cables and wires should not be crossed with the **PROTECTED** cables and wires. Crossing cables could provide a path for surge currents to bypass the DVRCOAX16 protection circuits.



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