

# Model CAMPDD24

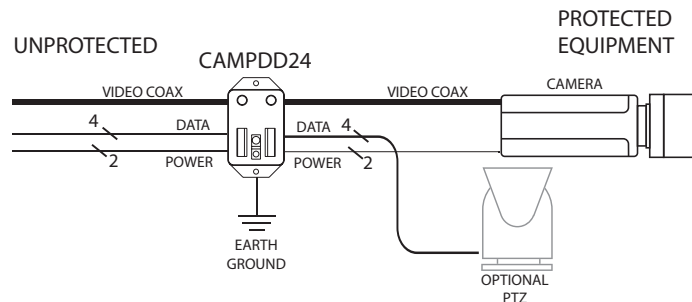
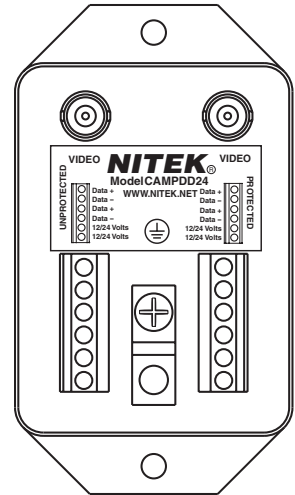
Camera Surge Protection Panel for Video, RS422,  
and 12/24 Volt Power

# Installation and Operation Manual

The **CAMPDD24** is a multi-function surge protector for in-line coaxial video, two twisted pairs of data and the 12 or 24 volt camera supply. The CAMPDD24 provides multi-stage surge protection to a single camera system and P/T/Z unit for each of these functions. The CAMPDD24 provides a heavy, single point ground connection and is easily installed in minutes. Please read installation instructions completely and insure good ground connections.

## Specifications

Size	1.7" H x 4.3" W x 2.5" D	Video Insertion Loss	<0.2dB
Clamping Voltage	Video—2.8V Power—33Vrms Control—4.7V	Impedance	50 or 75 Ohms
		Temperature	-20°C to +65°C
		Frequency	DC to 10 MHz



## INSTALLATION

The CAMPDD24 must be properly installed to insure maximum protection. The function of the CAMPDD24 is to allow a surge to be routed to ground and to clamp the protected equipment inputs to a minimum voltage.

There are three key points to remember when installing the CAMPDD24. First, provide a low impedance connection between the CAMPDD24 and your protected equipment. This is best done by keeping the **PROTECTED** cable connections as short as possible.

Second, the system should use a single ground point. Connect the grounding stud of the CAMPDD24 to a single ground point. A single ground point is a proper building ground or earth ground to which equipment grounds are connected. Ideally the protected equipment should be isolated from ground. If the CAMPDD24 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.

Finally, the **UNPROTECTED** cables should not be crossed with the **PROTECTED** cables. Crossing cables could provide a path for surge currents to bypass the CAMPDD24 protection circuits.

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