DVRPTR16
16 Video, 2 Data Port Surge Protection

Description

The **DVRPTR16** is designed to provide 16 channels of multi-stage video surge protection as well as 2 channels of data surge protection. It is cost-effective and ideally suited for protecting multi-input video devices such as a DVR, multiplexer or matrix systems. The DVRPTR16 is rack mountable in a standard 19" rack. It installs in minutes and provides a single easy access point for grounding. The video channels use 2.8 volt solid state clamping for unmatched protection. The data channels are clamped at 5 volts.

Specifications

Size	1 RU
Connection Video	Standard female BNC
Data	Screw terminals
Clamping Voltage	
Video	2.8v
Data	5.0v
Insertion Loss	<0.2dB
Impedance	50 and 75 ohms
Temperature	-20°C to +65°C
Frequency	DC to 10 MHz

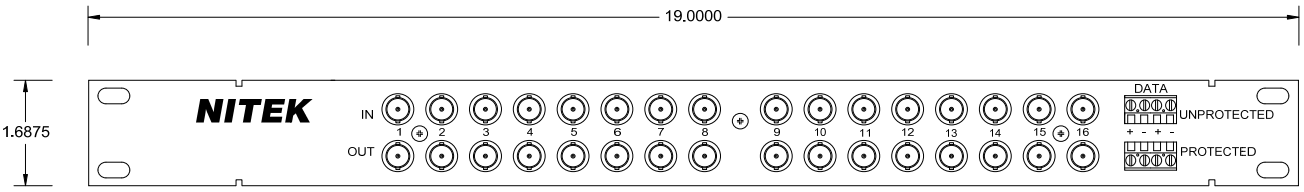
INSTALLATION

The DVRPTR16 must be properly installed to insure maximum protection. The function of the DVRPTR16 is to allow a surge to be routed to ground and to clamp the protected equipment video inputs to a minimum voltage.

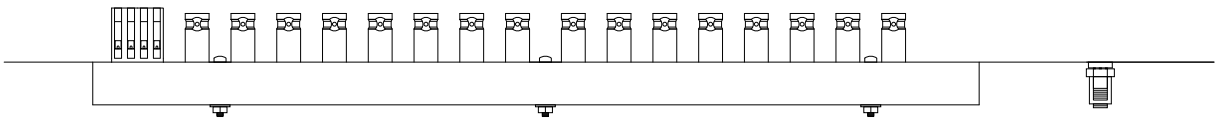
There are three key points to remember when installing the DVRPTR16. First, provide a low impedance connection between the DVRPTR16 and your protected equipment. This is best done by keeping the **PROTECTED** coax cable connections as short as possible, ideally less then 3 feet, and using a coax with a good braid.

Second, the system should use a single ground point. Connect the grounding stud of the DVRPTR16 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 DVRPTR16 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 DVRPTR16. protection circuits.



DVRPTR16 FRONT PANEL



DVRPTR16 PLAN VIEW

NITEK®

USA
5410 Newport Drive, # 24
Rolling Meadows, IL 60008
Phone: (847) 259-8900
Fax: (847) 259-1300
E-mail: info@nitek.net
WWW.NITEK.NET

EUROPE
De Schans 19-21 2a
8231 KA Lelystad
Tel: +31(0)320-2300005
Fax: +31(0)320-282186
E-mail: info@nitek.nl
WWW.NITEK.NL

Rev. 21510