

DTK-PVPIPS

IP/PoE Data and 12/24V Power Surge Protection



Product Features

- Low-impedance video/data protection with up to 10GbE transmission speed
- Two pairs of power protection (12V/24V), rated at 6 Amps per pair to protect power to camera, heaters, blowers, defrosters or PTZ motors
- Shielded RJ45 connections, with external grounding screw
- Conforms to EIA/TIA standards for data transmission
- Complies with IEEE Std. 802.3af and 802.3at for PoE
- PoE Plus, HiPoE ready for high-wattage applications

Applications

- IP/PoE Cameras with auxiliary power requirements
- Individual NVR/Power Supply

Accessories

- DIN Rail Mounting Kit – Part Number DTK-DRK

Category	Max Data Transmission Speed	Max Bandwidth	Typical Distance
CAT3	10 Mbps	16 MHz	100 m
CAT5	10 / 100 Mbps	100 MHz	100 m
CAT5e	1 Gbps	100 MHz	100 m
CAT6	1 Gbps	250 MHz	100 m
CAT6A	10 Gbps	500 MHz	100 m

* Cabling information obtained from TIA-568-C.2

DITEK's DTK-PVPIPS is designed to protect IP/PoE video cameras and systems from electrical surges and spikes on the network cabling and power supply lines. It offers low impedance video/data protection and includes two pairs of power protection for power to camera, heater, blowers, defrosters or PTZ motors. The PVPIPS is compatible with CAT5e, CAT6 and CAT6A cabling infrastructure, and provides optimum protection for power and data circuits.

Technical Specifications

Service Voltage:	<60V Data; 12/24V Power
MCOV:	64V Data; 38V Power
Clamping Voltage:	
Power-Common Mode (L-G)	47V Power
Data-Common Mode (L-G)	72V Data
Data-Differential Mode (L-L)	7.22V Data
Surge Current Rating:	20kA/pair Data; 2,000A/pair Power
Max. Continuous Current:	6A (Power)
Power Handling:	144 Watts (Data)
Data Rate:	Up To 10GbE

Mechanical Characteristics

Connection – Video/Data:	Shielded RJ45 In/Out
Connection – Power:	#22-#14AWG screw terminals
Housing:	ABS
Operating Temperature:	-40°F - 158°F (-40°C - 70°C)
Maximum Humidity:	95% non-condensing
Dimensions:	4.2"L x 3.36"W x 1.85"H (107mm x 85mm x 47mm)
Weight:	5oz (141g)

Quality, Standards & Approval

Agency Approvals:	UL497B
Standards Compliance:	CAT5e, EIA/TIA568A, EIA/TIA568B
Warranty:	Ten Year Limited Warranty

