

# DTK-PVPIPS

IP/PoE Shielded Data and Power Surge Protection



IP/PoE Video has become the favored method for transmitting surveillance camera video to NVRs and monitoring stations, and more installers are taking advantage of its lower cabling and installation costs. IP/PoE Video applications demand surge protection!

**DITEK's DTK-PVPIPS** protects IP/PoE Video cameras and systems from surges on the shielded network cabling and power supply lines. The PVPIPS provides optimum protection for power and data connections in a single product.

## Product Features

- Low-impedance video/data protection with full Gigabit Ethernet transmission speed
- Two pairs of power protection (12V/24V), rated at 5 Amps per pair to protect power to camera, heaters, blowers, defrosters or PTZ motors
- Shielded RJ45 connections, with external grounding screw
- Compatible with CAT5e, CAT6 and CAT6A cabling infrastructure
- 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

## Technical Specifications

Service Voltage:	48V Data; 12/24V Power
MCOV:	64V Data; 38V Power
Clamping Voltage:	72V Data; 47V Power
Protection Modes:	Line-Ground (All)
Surge Current Rating:	20kA/pair Data; 2,000A/pair Power
Max. Continuous Current:	1.5A Data; 3A Power
Power Handling:	72 Watts/pair 144 Watts/port
Data Rate:	1000 Mbps

## 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