

Code: OPV-4S

VIDEO OVERVOLTAGE LIMITER **OPV-4S**

Net: **26.34 EUR** Gross: **26.34 EUR**

The OPV-4S overvoltage limiter effectively protects signal line carrying away the stroke current to the ground, due to above provides adequate overvoltage protection for electronic devices. Device is designed for applications with differential video signal transmission via twisted-pair cable. The OPV-4S does not affect signal quality and is a passive device, no supplying is required.

ATTENTION! Before installation please read the following instructions: Any installation work cannot be led during thunderstorm. The OPV-4S requires good quality grounding installation. The limiter should be placed as near as possible to the protected device.



SPECIFICATION

Standard:	• AHD - 5 Mpx, • HD-CVI - 8 Mpx 4K UHD, • HD-TVI - 5 Mpx, • CVBS - PAL / NTSC
Threshold voltage (wire-wire):	> 2.4 V
Treshold voltage (wire / ground):	> 18.4 V
Maximum stroke current (8/20μS):	5 kA
Serial impedance per line:	1 Ω
Capacity:	7 pF
Reaction time:	15 ns
Grounding:	5mm screw
Number of channels:	4
RJ-45 connector protected wires:	1, 2, 3, 4, 5, 6, 7, 8
Application:	• video device, with differential (symmetric) video signal transmission • Ethernet 10/100 network devices: IP camera, router, switch, hub, extension card, etc.
Symmetrical in/out sockets type:	RJ-45 (8-pin, 4 pairs)
Operation temp. / Relative humidity:	-50 °C ... 55 °C / < 95 %
Dimensions (W x H x D) / weight:	120 mm x 30 mm x 60 mm / 0.08 kg
Manufacturer / Brand:	DELTA
Guarantee:	3 years

PRESENTATION

Front panel:

DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60



Top view:

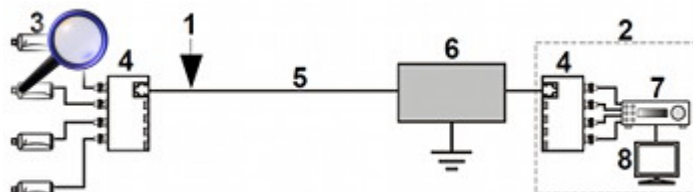


The example of application for IP camera protection:



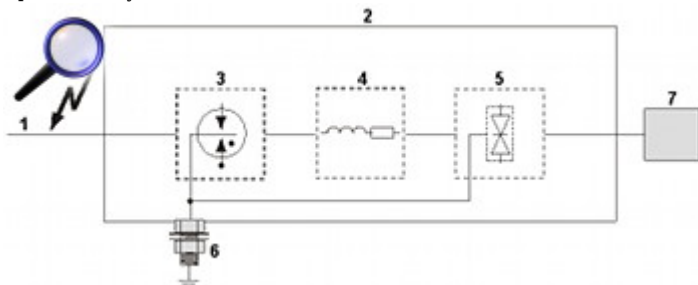
- 1) protected IP camera
- 2) OPV-4S
- 3) Twisted-pair cable

The example of application for DVR protection:



- 1) SURGE SIDE (line exposed to surges)
- 2) protected devices (PROTECTED SIDE)
- 3) Cameras
- 4) TR-4P
- 5) Twisted-pair cable
- 6) OPV-4S
- 7) DVR
- 8) Monitor

Operation way:



- 1) SURGE SIDE (line exposed to surges)
- 2) OPV-4S
- 3) gas spark arrester
- 4) delayed system
- 5) protection diodes
- 6) Grounding Bolt
- 7) protected devices (PROTECTED SIDE)

The Gas Spark Arrester (GSA) which carries a lot of the electric charge to the ground and limits the overvoltage up to several dozen volts
The protection has three main blocks

7. The Gas Spark Arrester (GSA) which carries a lot of the electric charge to the ground and limits the overvoltage up to several dozen volts
8. The Delayed System which allows to increase the GSA operating time
9. The Protection Diodes to compensate the voltage among wires up to 2.4V and to carries the high potential charges to the ground

PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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