

Code: OPV-16S

VIDEO OVERVOLTAGE LIMITER **OPV-16S** RACK

Net: **96.81 EUR** Gross: **96.81 EUR**

The OPV-16S protects all wires of the twisted-pair cable carrying away the stroke current to the ground. It effectively protects the electronic devices. The overvoltage limiter is used for applications with differential video signal transmission via twisted-pair cable. The OPV-16S does not affect video signal quality and no supplying is required (passive device).

ATTENTION! Before installation please read the following instructions: Any installation work cannot be led during thunderstorm. The OPV-16S 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:	5 kA (8/20µs)
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
Symmetrical in/out sockets type:	8 x RJ-45 (8-pin, 4 pairs)
Housing type:	1RU (19")
Operation temp. / Relative humidity:	-50 °C ... 55 °C / < 95 %
Dimensions (W x H x D) / weight:	483 x 44 x 135 mm / 1.18 kg
Manufacturer / Brand:	DELTA
Guarantee:	3 years

PRESENTATION

Front view:



Top view:

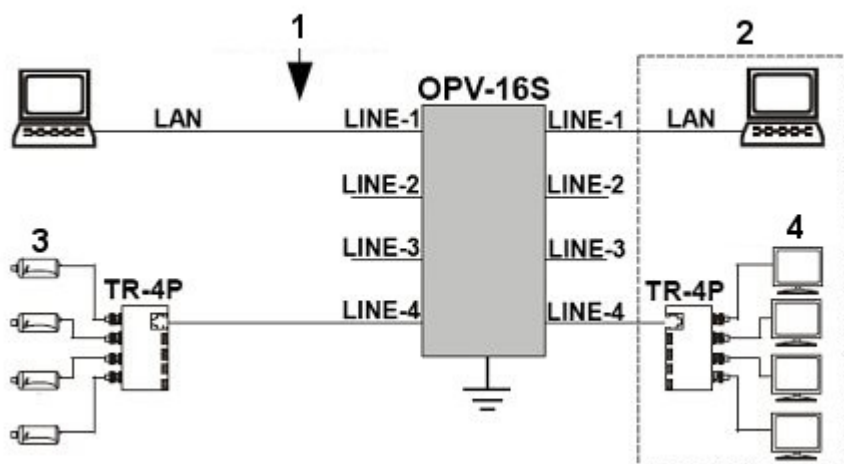
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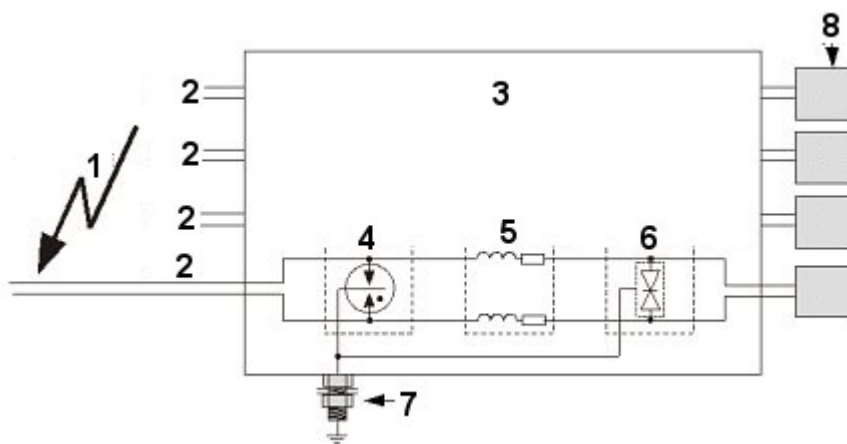
Rear view:



Connection diagram:



- 1) SURGE SIDE (line exposed to surges)
 - 2) PROTECTED SIDE (protected devices)
 - 3) Cameras
 - 4) Monitors
- Operation way:



- 1) Overvoltage
- 2) Line
- 3) overvoltage limiter
- 4) gas spark arrester

- 5) delayed system
- 6) protection diodes
- 7) Grounding Bolt
- 8) Protected devices

Overvoltage limiter protects all eight wires of the twisted-pair cable (4-pairs)

The protection has three main blocks

- 5. 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
- 6. The Delayed System which allows to increase the GSA operating time
- 7. 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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