

Code: OPV-32S

VIDEO OVERVOLTAGE LIMITER **OPV-32S** RACK

Net: **221.02 EUR** Gross: **221.02 EUR**

The OPV-32S 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-32S 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-32S 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
Threshold 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:	8
RJ-45 connector protected wires:	1, 2, 3, 4, 5, 6, 7, 8
Symmetrical in/out sockets type:	16 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 / 1.35 kg
Manufacturer / Brand:	DELTA
Guarantee:	3 years

PRESENTATION

Front view:



Rear view:



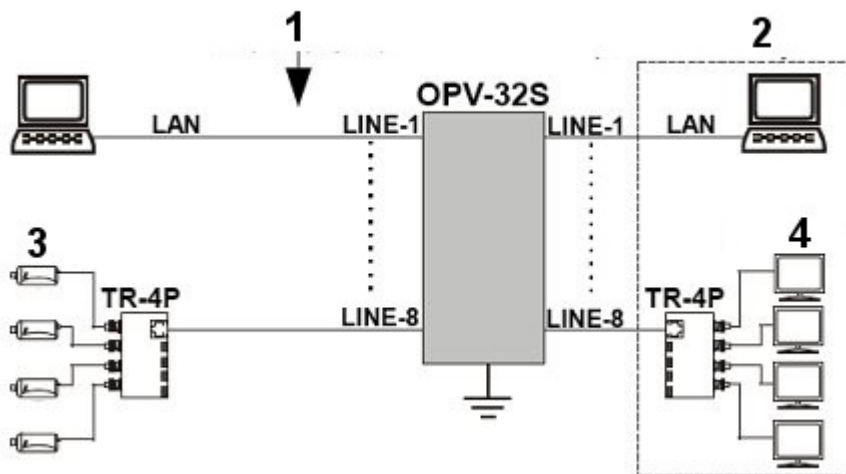
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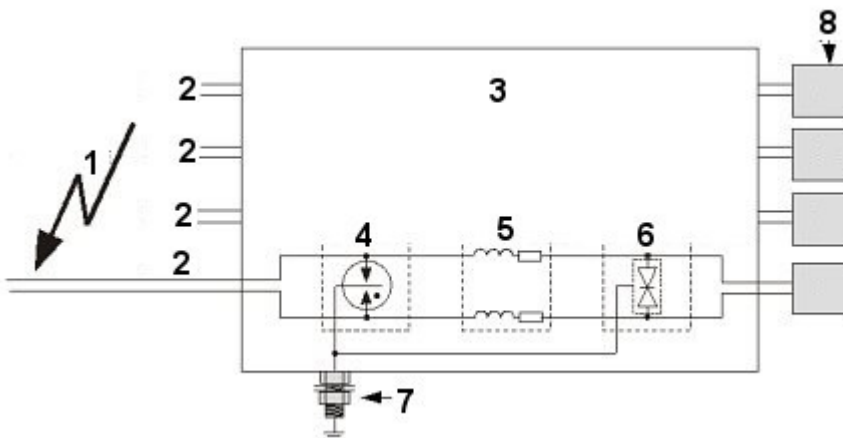
Top view:



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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