

VIDEO OVERVOLTAGE LIMITER OPV-4

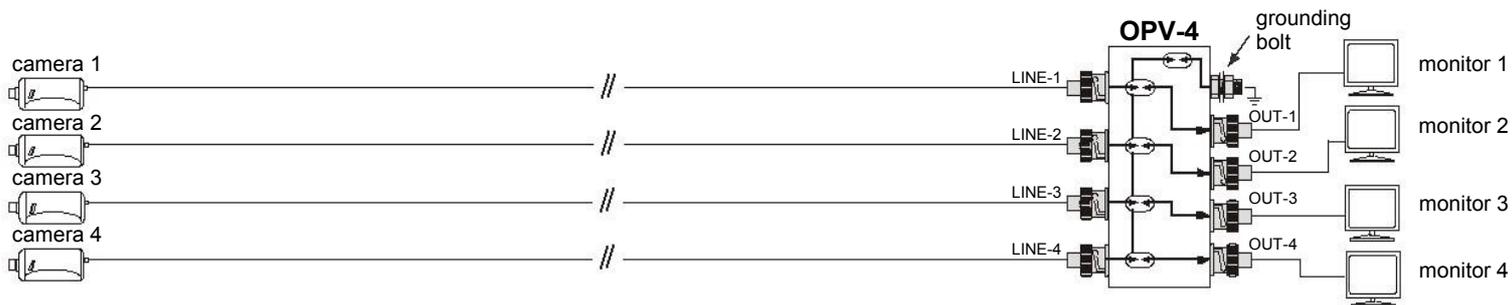
The statistics show that about 25 percent of damages of electronic equipment are caused by overvoltages induced out of electromagnetic field during close lightning strikes. The Video Overvoltage Limiter (surge protector) OPV4 effectively protects 4 video lines carrying away the stroke current to the ground. This way the excessive voltage is strongly limited and does not harm the video appliances. The device does not affect video signal quality and no supplying is required.

SPECIFICATIONS:

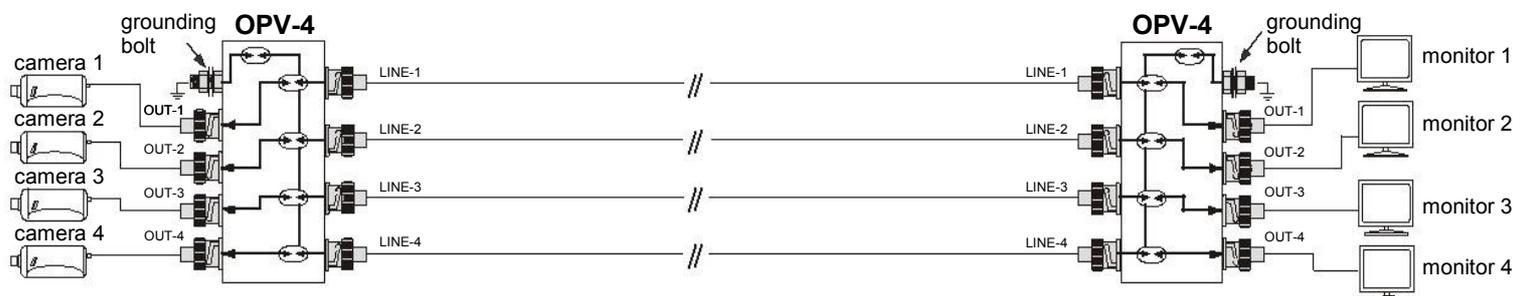
Threshold voltage	> 2.4V
Maximum stroke current (8/20uS)	5kA
Level of protection by 1000V/uS	700V
Insertion loss	0.3dB
Protect resistance at 10V	> 20GΩ
Reaction time	6.25ns
Capacitance	27pF
Bandwidth	0 – 160MHz
Grounding	indirect, via gas spark arrester and grounding bolt
Number of inputs	4
Number of outputs	4
Inputs socket type	4 x BNC female
Outputs socket type	4 x BNC male
PN-EN 61643-21:2002 classification	C2
Weight	160g
Dimensions	117 x 30 x 80mm
Working temperature	from -20 to 50C

ATTENTION! Before installation please read the next instructions:

- OPV-4 is not symmetrical - the protected appliances must be connected to outputs (WY-1 .. WY-4) BNC connectors. The inputs (LINIA...) have to be connected to the transmitting lines.
- Any installation work cannot be led during thunderstorm.
- OPV-4 requires good quality grounding installation.
- The limiter should be placed as near as possible to the guarded appliance.



This connection of OPV-4 allows to secure monitors or other appliances (e.g. digital recorders).



In order to fully protect all equipment connected to video lines against overvoltages, this application is recommended.