

VIDEO SEPARATOR SV-1000/4-G

The SV-1000/4-G video separator is designed for additional protection of four signal lines, e.g. in CCTV installations, securing the expensive devices (cameras, DVRs, monitors etc.) from:

- lightning discharges,
- voltage differences and strokes,
- electric currents in video signal cables.

The device eliminates signal disturbances that take place with transmissions over several hundred meters distances. After remove the cover of the case you can mount the device to the wall via wall screws (not in the set).

SPECIFICATIONS:

Power voltage – 12V DC

Current consumption – 300mA

Inputs impedance – 75Ω

Outputs impedance – 75Ω

Gain (adjustable) – (-5) - (+5)dB (adjust potentiometers are available after remove the cover of the case)

Video bandwidth – 9MHz / 1Vpp

Galvanic isolation among signal inputs – 1000V (peak)

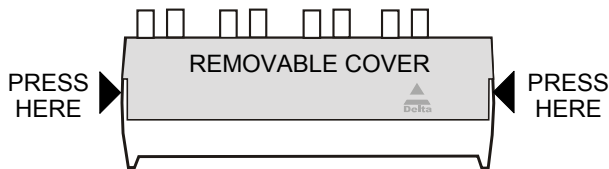
Galvanic isolation among signal outputs – 1000V (peak)

Galvanic isolation between signal inputs and outputs – 1000V (peak)

Galvanic isolation between power and signal inputs/outputs – 1000V (peak)

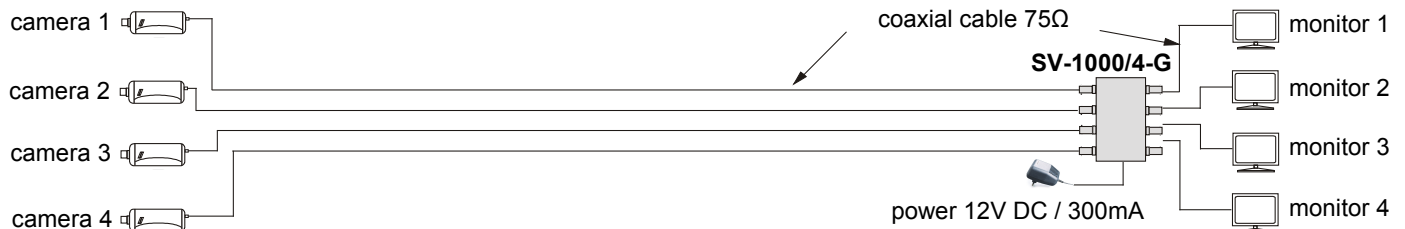
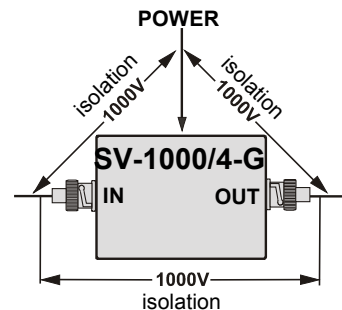
Dimensions (W/H/L) – 213 x 36 x 93mm

Weight – 310g

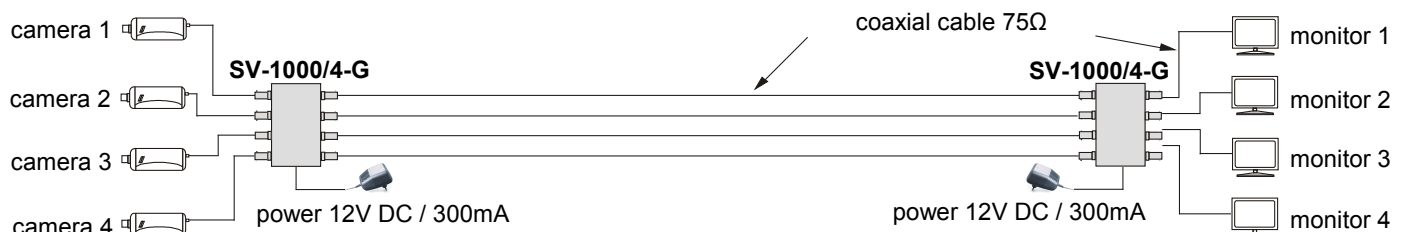


To remove the cover press in two spots as is shown at the figure above and pull slowly at right angles to the device.

The galvanic isolation of the SV-1000/4-G:



The above schematic diagram allows to eliminate signal disturbances existing due to difference in voltage between camera ground and monitor ground. The voltage results from this difference can add up to useful signal voltage. It makes low frequency disturbances (e.g. slowly vertical moving black fields).



To full protect all devices connected to the line against lightning discharges the above connecting diagram is recommended.