

Video Separator SV-1000



Views of the separator

SV-1000 is used as an extra security device in CCTV systems and protects CCTV equipment from the following:

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

The device eliminates signal disturbances that take place with transmissions over a few hundred meter distances. It is equipped with gain control ranging + 5 dB to -5 dB.

One of the problems that can be encountered during video signal transmission over distances of a few hundred meters is atmospheric lightning discharge. Even if lightning does not directly strike the installation, the electromagnetic field that has been induced by it may cause a severe damage to an expensive VCR or other equipment connected to the network. Another problem is the difference in voltage between various devices. This phenomenon may be observed during insertion of the plug into a TV set or plugging a long computer cable. The difference in voltage may be so high that the person who is plugging the TV or computer may get an electric shock. Both of these problems can be solved through installation of the separator.

SPECIFICATIONS

Bandwidth / Input voltage	9 MHz / 1Vpp
Gain adjustment	-5 to +5 dB
Input/Output impedance	75ohm
Transmission error	0.75% (f=3.58 MHz, Vin=1Vpp)
Galvanic separation between power supply and input signal (maximum voltage)	1000V
Galvanic separation between input and output (max. voltage)	1000V
DC plug	5.5/2.1 mm
Dimensions	61x120x30 mm
Weight	95 g
Current consumption	80mA
Power	12V DC

