



Galvanic Video separator to AHD, HD-CVI, HD-TVI with surge protection

HSO-1F-EXT

HSO-1F-EXT is a 1-channel galvanic separator for 75 Ohm coaxial cable, integrated with high-end surge protection. It is dedicated to the HD CCTV solutions using AHD, HD-CVI, HD-TVI (Turbo HD) signals.

It provides the maximum level of protective efficacy due to 800VDC galvanic isolation and 2X10kA surge protectors, containing a unique solution in the form of MOSFET fuse. It protects against surges, lightning, and ground loop potentials. It is recommended in HD-CCTV installations, localized in industrial environments such as metal buildings, metal poles, masts, etc. Also different points of power sources and where potentials appear between the grounding points. Such working environments bring unfavorable working conditions to input/output circuits, generating a visible image noise and even damage.

MOSFET fuse increases the effectiveness of surge protection and protects the separator transformer from damage due to the flow of large surge currents.

Wide bandwidth signal have been preserved thanks to a very low capacity components, allowing you to transmitting videos at resolutions up to 1080p.

The device uses branded BNC connectors, thus ensuring high quality and durability of the connection, even in adverse temperature conditions.



Specification:	
Impedance	75 Ohm
Input connector (Line side)	Female BNC connector
Output connector (Device side)	Male BNC connector with cable
Bandwidth	50MHz
Attenuation	0,5dB
Effectiveness of insulation	800V DC
Surge protection	Gas tube, transcient, MOSFET fuse
Protection Ground-Line	Gas tube 90V, 2x10kA @ 8/20uS
Protection Line-Line	Transcient 6V, 15A @ 8/20uS
Capacitance Line-Line	Around 10pF
Operating temperature	-40°C do +60°C
Dimensions	86mm x 24mm x 31mm (without cable)