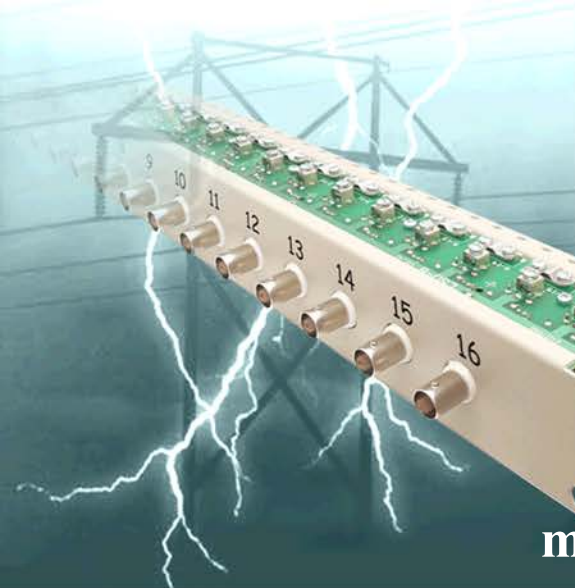




16 channels surge protection video with ground loop separation and power distribution

model LSO-8/LST-8

LSO-8/LST-8 is connection of two kinds of devices, made up 8-channel passive UTP converter integrated with ground loop separator and 8-channel ground loop Video separator for coaxial cable with suppression filter. It is designed to change Video signal from UTP twisted pair to coaxial cable and protection of CCTV devices form effects of surges and potential differences. Panel is place in standalone housing. It includes inside several functional blocks, to help to do installations of cables to DVRs or matrix switchers. UTP converter for coaxial cable – changes symmetric Video signal from impedance of twisted pair (100 Ohm) to signal of coaxial cable (75 Ohm). Gland suppression - It effectively eliminates interference between cameras, which come from power supply sources from different phases. High-frequency filter - corrects the high-frequency, compensates attenuation in cables. As a result the Video quality as higher in areas of sharp edges and color quality as higher.

Convenient clamps of coaxial cable – Low-loss screw terminals for coaxial cable significantly accelerate the connection, allow easy to change configuration without need to crimping BNC connector. Ground loop separation – eliminates distorted of Video, which are resulting of alignment potential difference on Video cables. Protect device such as cameras and DVRs from damage as a result of ground loop surges. Amorphous core introduces negligible signal losses and harmonic distortion, which always appear in optical separators known from antenna devices.

Attribute	Value
Nominal voltage video track	5 V
The maximum continuous voltage video track	6 V
Nominal discharge current (8 / 20μs) video	5 kA
Maximum discharge current (8 / 20μs) video track	10 kA
Voltage protection (10 / 700μs) video track	< 20 V
Reaction time video track	≤ 1 ns
Attenuation	≤ 0.5 dB
Impedance video track	≤ 1Ω
Frequency range	0-100 MHz
Surge protection	3 - PCB electrodes, gas tube, transient
Discharge voltage	75V, Transil 8,2V
Current discharge	2 x 10kA, Transil: 57A
Separated	600V (min.)
Nominal voltage power track	24 V
Maximum still voltage power track	36 V
Nominal discharge current (8 / 20μs) Power Line	5 kA
Maximum discharge current (8 / 20μs) Power Line	10 kA
Maximum voltage power track	< 200 V
Current overload power track	≤ 10 A
Current discharge power track	≤ 5 μA
Reaction time power track	≤ 25 ns
Warrant	36 m-cy

System of permanent mounting a cables – Specially constructed bracket with holes is used to permanent mounting the cables by clamp and protect from pulling, even by using large force.

Precision BNC connectors – Signal transmission is done by using precision BNC connectors, which are performed by CNC method.

Bidirectional action – The signal is transmitted at any directions, allowing to expand the installation options on the transmission or reception..

