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Digital Download Catalog

Surge Suppression products for Camera Systems

Transient Voltage Surge Suppressors
Protection for Systems & Devices
Commercial and Residential Applications

•AC and DC Circuit Protectors • AC Plug-In Protectors • Card Access System Protectors • Motor Control
•Data Line Protectors • Fire Alarm / Loop Protectors • Gate Entry System •Generator Transfer Switch Protectors
• HVAC System Protectors • LAN Protectors • Lightning System Protectors • Main Panel & Sub Panel Protectors
•Modem Protectors •Protectors • Recreational Vehicle Protectors • Video Camera & Monitor Protectors
•Relay Protectors • Robotics System Protectors • Satellite Protectors • UPS System Protectors

CCTV BNC V 32 – 19" Rack Mount 32 BNC (Female In/Female Out), 2-rack space surge suppressor with In-Field Replaceable Modules for your multi-plexer or head end equipment. Replaceable modules for the rack are 2-position in/out. Part number **CCTV BNC V RM –** (4 BNC (2 Female In / 2 Female Out)

CCTV BNC V or **CCTV BNC C/V** are hybrid coaxial units and should be installed at the camera and head end equipment. No external ground is necessary because these units dissipate within themselves. Passes both video and data.

CCTV 24 VAC or CCTV 12 VDC is a 24-volt AC parallel hardwire unit (or 12-volt VDC). The hardwire leads should go under screws on the camera for the 24-volt power source. A ground lug is provided and should only be used if you have a 3-wire application (phase, neutral, ground). If just using phase and neutral, you should not use the ground lug. This unit is not amperage sensitive.

BP1P or **AC3** The BP1P is a 110-Volt AC plug-in device for the camera and the AC3 is a 110-volt AC plug-in devices for the transformers, monitors, recorders, multi-plexers, switchers, amplifiers etc.

1206CSX is a 110-volt AC plug-in device for the transformers, monitors, recorders, multi-plexers, switchers, amplifiers etc.

Dual 2W 60 is an in-line series screw terminal multi-stage hybrid device for power to cameras without heater blowers. This unit should be used for applications drawing 1 amp or less. A ground lug is provided and should only be used if you have a 3-wire application (phase, neutral, ground). If just using phase and neutral, you should not use the ground lug.

Dual 2W 6.8 - **Dual 4W 6.8** – **Dual 6W 6.**8 are in-line series screw terminal multi-stage hybrid devices for the two wire (2W), four wire (4W) or six wire (6W) data loop, pan/tilt (RS422) or twisted pair video. These units pass both video and data. These should be installed at the camera, receiver driver, controller and or head end equipment. There is a ground lug provided. Only use if you have a common ground i.e. single ground for entire system to prevent ground loops.

CCTV BNC V 32 – 19" Rack Mount 32 BNC (Female In/Female Out), 2-rack space surge suppressor with In-Field Replaceable Modules for your multi-plexer or head end equipment. This coaxial video line surge suppressor incorporates state-of-the-art technology and provides multiple elements of protection for your sensitive video equipment. Tested to ANSI/IEEE B ring-wave standard that exceeds normal UL497B testing standards. This unit does not employ MOV technology and will not cause the high insertion loss on your coax lines. They are self-restoring after each surge within ratings. Typically they should be installed behind the monitor and behind the cameras.

19" Rack Mount Multi-plexer Surge Suppressor
CCTV BNC V 32 - With In-Field Replaceable Modules!

Specifications – Operating:	***CCTV BNC V 32***
Maximum Operation Voltage:	5 Volts DC
Maximum Leakage Current:	<5u amps
Maximum Insertion Loss:	<1 dB
Weatherproof:	Yes
Connectors:	16 BNC Female In / 16 BNC Female Out
Specifications – Electronic:	
Maximum Surge Current (8 x 20us):	500 Amps
Maximum Surge Voltage (1.2 x 50us):	6,000 Volts
Capacitance:	< 1.20pf
Clamping Voltage:	6.8 Volts
Clamping Response Time:	<5 Nanoseconds
Current:	Non-Load Bearing Voltage Sensitive
Pass Voltage-ANSI/IEEE B3 Ring-wave:	<10 Volts Peak
Power Dissipation (8 x 20us):	3,000,000 VA
Typical Leakage Current:	< 5u Amps
Dimensions:	Length 19" and Width 3.5" (2 Rack)

CCTV BNC V or CCTV BNC C/V

Standard and NEW Miniature Version!

<u>CCTV BNC V</u> or **<u>CCTV BNC C/V</u>** are hybrid coaxial units and should be installed at the camera and head end equipment. No external ground is necessary because these units dissipate within themselves. Passes both video and data. These coaxial video line surge suppressors incorporate state-of-the-art technology and provide multiple elements of protection for your sensitive video equipment. Tested to ANSI/IEEE B ring-wave standard that exceeds normal UL497B testing standards. These units do not employ MOV technology and will not cause the high insertion loss on your coax lines. They are self-restoring after each surge within ratings. Typically they should be installed behind the monitor and behind the cameras.

Specifications – Operating:	BNC V and BNC C/V
Maximum Operation Voltage:	5 Volts DC
Maximum Leakage Current:	<5u amps
Maximum Insertion Loss:	<1 dB
Weatherproof:	Yes
Connectors:	BNC Female/Female (BNC V) BNC Female/BNC Male (BNC C/V)
Specifications – Electronic:	
Maximum Surge Current (8 x 20us):	500 Amps
Maximum Surge Voltage (1.2 x 50us):	6,000 Volts
Capacitance:	< 1.20pf
Clamping Voltage:	6.8 Volts
Clamping Response Time:	<5 Nanoseconds
Current:	Non-Load Bearing Voltage Sensitive
Pass Voltage-ANSI/IEEE B3 Ring-wave:	<10 Volts Peak
Power Dissipation (8 x 20us):	3,000,000 VA
Typical Leakage Current:	< 5u Amps
Dimensions (Standard): Dimensions (Miniature):	Length 2" Width 1 ½" Height 1" Length 1½" Width 1.250" Height 0.800"

CATV 24 VAC (Also available CATV 12 VDC) **Standard and NEW Miniature Version!**	

CATV 24 VAC or CATV 12 VDC: These are power surge suppressors and are state of the art single-stage hybrid protection for 24-volt AC parallel hardwire unit (or 12-volt VDC). The hardwire leads should go under screws on the camera for the 24-volt power source. A ground lug is provided and should only be used if you have a 3-wire application (phase, neutral, ground). If just using phase and neutral, you should not use the ground lug. This unit is not amperage sensitive.

Specifications – Operating:	
Maximum Operation Voltage:	30 Volts AC
Maximum Leakage Current:	<5u amps
Weatherproof:	Yes
Connectors:	14 AWG Hardwire
Specifications – Electronic:	
Maximum Surge Current (8 x 20us):	500 Amps
Maximum Surge Voltage (1.2 x 50us):	6,000 Volts
Clamping Voltage:	30 Volts
Clamping Response Time:	<5 Nanoseconds
Current:	Non-Load Bearing Voltage Sensitive
Pass Voltage-ANSI/IEEE B3 Ring-wave:	<35 Volts Peak
Power Dissipation (8 x 20us):	18,000,000 VA
Dimensions (Standard): Dimensions (Miniature):	2” Length x 1.5” Width x 1” Height 1.5” Length x 1.250 Width x 0.800 Height

BP1P and AC3 **AC Plug in Surge Suppressors**	 

1P: is a 110-Volt AC single-outlet plug-in 15-amp surge suppressor device for the camera.

AC3 is a 110-volt AC 3-outlet plug-in 15-amp device for the transformers, monitors, recorders, multi-plexers, switchers, amplifiers etc.

Specifications:	**1P**	**3NF**
Maximum Operating Voltage:	120 Volts AC	120 Volts AC
Current Rating:	15 Amps	15 Amps
AC Outlets	1	3
Operation Temperature:	-40 to + 85° C	-40 to + 85° C
Protection Modes:	L/N, L/G, N/G	L/N, L/G, N/G
Maximum Surge Current (8x20us):	2,000 Amps	3,000 Amps
Maximum Surge Voltage (1.2x50us):	6,000 Volts	6,000 Volts
Clamping Voltage:	130 Volts RMS	130 Volts RMS
Clamping Response Time:	<1 Nanosecond	<1 Nanosecond
Maximum Line Amperage:	15 Amps @ 120 VAC 60Hz	15 Amps @ 120 VAC 60Hz
Voltage:	Voltage Sensitive	Voltage Sensitive
Operation Indicator LED:	Yes	Yes
Power Dissipation (8x20us):	12,000,000 VA	18, 000,000 VA
Failure Mode:	Fails Safe (open)	Fails Safe (open)
Dimension:	1” X 1” X 1”	3 x 5 x 1 ½”

1206CSX **AC Surge Suppressor**	

1206CS is a 110-volt AC 6-Outlet 15-amp plug-in device with a 6' cord for the transformers, monitors, recorders, multi-plexers, switchers, amplifiers etc

Specifications:	
Maximum Operating Voltage:	120 Volts AC
Operation Temperature:	- 40 to + 85° C
Protection Modes:	L/N, L/G, N/G
Maximum Surge Current (8x20us):	3,000 Amps
Maximum Surge Voltage (1.2x50us):	6,000 Volts
Clamping Voltage:	130 Volts RMS
Clamping Response Time:	<1 Nanosecond
Maximum Line Amperage:	15 Amps @ 120 VAC 60Hz
Voltage:	Voltage Sensitive
EMI/RFI Dual-Full 3 Stage Noise Filter:	40dB down - 10 KHz to 10 MHz
Noise Filter Response:	<1 Pico Second (active)
Operation Indicator LED:	Yes
Power Dissipation (8x20us):	18,000,000 VA
Failure Mode:	Fails Safe (open)
UL Listed	1449 2nd Edition

D Dual 2W – Isolated Loop Circuit Protector for Data, Video and Power Lines

D Dual 2W 60 is an in-line series screw terminal multi-stage hybrid device for power to cameras without heater blowers. This unit should be used for applications drawing 1 amp or less. A ground lug is provided and should only be used if you have a 3-wire application (phase, neutral, ground). If just using phase and neutral, you should not use the ground lug.

D Dual 2W 6.8 is a in-line series screw terminal multi-stage hybrid devices for the two wire (2W) data loop, pan/tilt (RS422) or twisted pair video and passes both video and data. It should be installed at the camera, receiver driver, controller and or head end equipment. There is a ground lug provided. Only use if you have a common ground i.e. single ground for entire system to prevent ground loops.

Specifications - Operating:	
Maximum Operating Voltage:	5 Volts DC (6.8) or 30 Volt AC (60)
Typical Leakage Current:	< 5u amps
Maximum Data Rate:	22 Mhz
Operation Temperature:	- 40 to + 85° C
Connectors and Lines Protected:	Terminal Block - One Pair
Installation Configuration:	In-Line Series
Specifications - Electronic:	
Maximum Surge Current (8 x 20us):	10,000 Amps Per Line
Maximum Surge Voltage (1.2 x 50us):	6,000 Volts
Capacitance:	<250 pf
Clamping Voltage:	Volts DC as designated
Clamping Response Time:	<5 Nanoseconds
Voltage:	Voltage Sensitive
Pass Voltage Test to ANSI/IEEE B3 Impulse:	10% Above Normal
Power Dissipation (8 x 20us):	60,000,000 VA Protection Per Line
Dimension:	Depth: 1" – Width: 2" – Length: 1 ½" - Tabs: ½" each

D Dual 4W - Data Line Surge Suppressor (Dual 6W also Available Online) 

D Dual 4W 6.8 is a in-line series screw terminal multi-stage hybrid devices for the four wire (4W) data loop, pan/tilt (RS422) or twisted pair video and passes both video and data. It should be installed at the camera, receiver driver, controller and or head end equipment. There is a ground lug provided. Only use if you have a common ground i.e. single ground for entire system to prevent ground loops.

Specifications - Operating:	
Maximum Operating Voltage:	5 Volts DC, 12 Volts DC or 24 Volts DC
Typical Leakage Current:	< 5u amps
Maximum Data Rate:	10Mhz
Operation Temperature:	- 40 to + 85° C
Connectors and Lines Protected:	Dual Terminal Blocks 4 Lines (2 Pair)
Dimensions:	Depth 1" Width 2" Length 1 ½" Tabs ½" each
Specifications – Electronic:	
Maximum Surge Current (8x20us):	3,000 Amps
Maximum Surge Voltage (1.2x50us)	6,000 Volts
Capacitance:	<250pf
Clamping Voltage:	6.8 Volts DC, 15 Volts DC or 30 Volts DC
Clamping Response Time:	< 5 Nanoseconds
Voltage Sensitive:	Non-Load Bearing
Pass Voltage Tested to ANSI/IEEE B3:	<10 Volts DC, 19 Volts DC or 31 Volts DC
Power Dissipation (8x20us):	1st Stage: 3,000 Amps per line 2nd Stage: Filter Section 3rd Stage: 100,000 VA

These PRO-TECH units incorporate state of the art technology and provide multi stage hybrid protection for your communication lines. Tested to ANSI/IEEE B3 impulse standards and UL 497B. Unlike other communication line surge suppressors, this unit goes far beyond industrial grade surge suppressors. It is self-restoring after each surge within ratings.

LIFETIME WARRANTY on all Surge Protectors sold or distributed by steadyvolt.com

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