



technical datasheet

CPAC Series

Complete configurable surge protection for all makes and models of video surveillance systems

- Video, control and power protection
- Video over IP protection
- Power over ethernet protection
- Indoor and outdoor cabinet applications
- Robust protection in a compact size
- Easily replaceable modules
- 10 year product warranty



Video surveillance systems are becoming one of the primary methods used in overall security protection in the industrial and process industries. In today's challenging times industrial and process facilities are identified as potential targets. These targets include water treatment facilities, petrochemical plants, oil refineries, oil and gas pipe lines, chemical plants, pharmaceutical plants, power plants and natural gas distributors.

Today's sophisticated video surveillance systems typically use analog based CCTV video with newer intelligent systems moving toward VoIP (video over IP) formats for networked video and digital recording.

Because much of this equipment is located in exposed outdoor environments or have interfaces connected to outdoor equipment, they require protection from electrical transients to function properly.

Lightning plays a large part in the risk to this equipment. Lightning induced transients as well as utility transients can render these systems inoperable. Protection from electrical transients at both the camera and video recording end will help keep these systems operating and reporting.

We have been manufacturing surge protection devices for over 30 years. We have protection for today's most sophisticated surveillance systems. We protect video interfaces both analog and digital, POE (power over ethernet), PTZ (pan, tilt and zoom) control interfaces, and power feeds for both indoor and outdoor equipment.

Complete systems protection can be achieved with our wide range of surge protection devices. Our 10 year, unconditional product warranty is also offered with the CPAC Series.

901-115 Rev L 270110

 **COOPER** Crouse-Hinds

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SPECIFICATION

All figures typical at 77°F (25°C) unless otherwise stated

For product specifications see individual datasheets.

How to order:

- ◆ For complete camera protection, specify part number to the right by considering the following:
- ◆ Determine the video feed -- BNC for analog and CAT5 for digital cameras (see note)
- ◆ Determine the PTZ control protocol — RS232, RS422, etc.
- ◆ Determine the camera power — 12Vdc, 24Vdc, 48Vdc, 120Vac or 220Vac
- ◆ For mounting at the camera, add water proof box part number ZS24281
- ◆ Internal video protection — installs inside camera housing

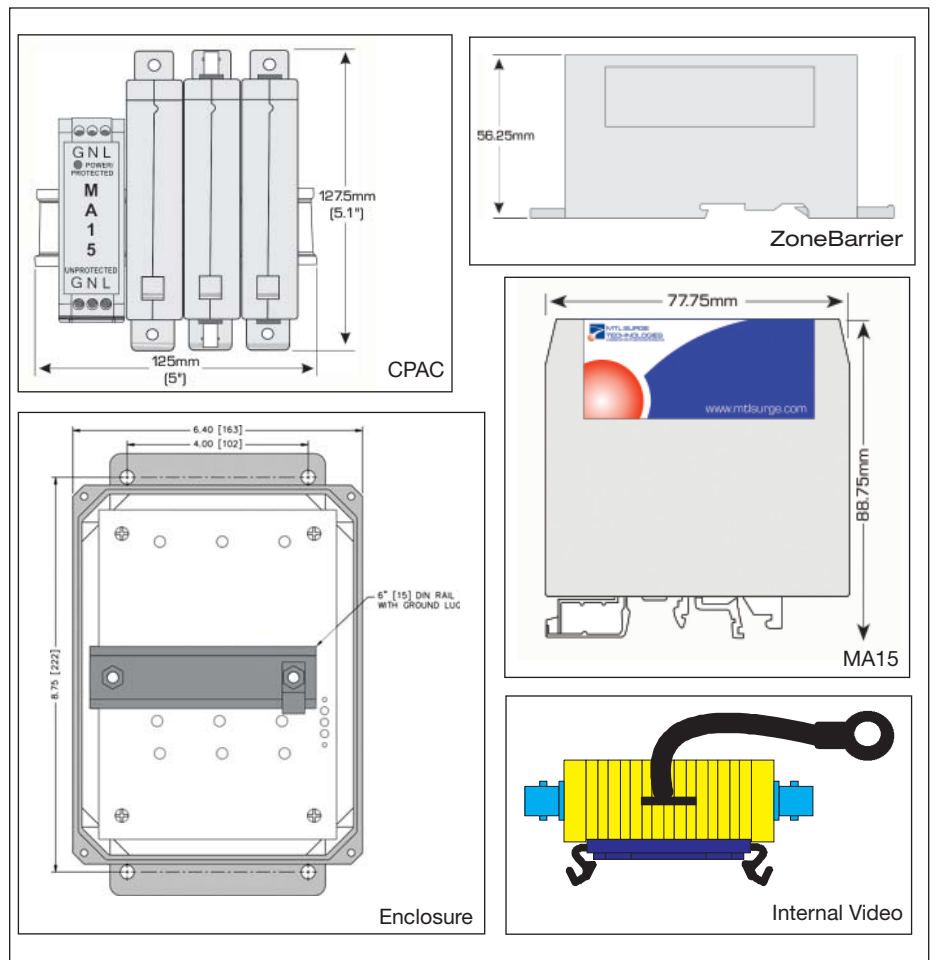
Enclosure

ZS24281 NEMA 4X waterproof housing with cable glands and DIN rail.
21.35cm x 13.97cm
(8.4" x 5.5")

DIN rail mounting options

DR21607 5" DIN rail
for up to 4 ZoneBarriers
DR21649 17.5" DIN rail
for up to 16 ZoneBarriers
DR24500 19" DIN rail (with mounting brackets) for up to 32 ZoneBarriers

Part #	Application	Connector	Product
ZB24521 ZB24584	Video/Controller Out 50Ω Video 75W	BNC F/F BNC F/F	ZoneBarrier ZoneBarrier
ZB24510 ZB24518 ZB24587 ZB24528	PTZ PTZ 2-wire PTZ 4-wire PTZ	Terminal Strip Terminal Strip Terminal Strip Terminal Strip	RS232 ZoneBarrier RS485 ZoneBarrier RS485 ZoneBarrier RS422 ZoneBarrier
ZB24575 ZB24580 MA15/D/1/SI MA15/D/2/SI	Camera Power Camera Power Camera Power Camera Power	Terminal Strip Terminal Strip Terminal Strip Terminal Strip	12Vdc ZoneBarrier 24Vdc/ac ZoneBarrier 120Vac MA15 220-240Vac MA15
MA15/D/1/SI MA15/D/2/SI	Controller Power Controller Power	18kA Indoor 18kA Indoor	120Vac MA15 220-240Vac MA15
ZB24540 ZB24585	Controller Out Power Over Ethernet	RJ45 CAT5 RJ45 CAT5	LAN ZoneBarrier CAT 5/48Vdc ZoneBarrier
ZS24281	Camera Protection	Cable Glands	Pole Top Enclosure



The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.



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