

# CPAC

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



- **Video, control and power protection**
- **Power over ethernet protection**
- **Indoor and outdoor cabinet applications**
- **Robust protection in a compact size**
- **Weatherproof housing for camera protection**
- **Easily replaceable modules**
- **Ten year warranty**



**Intelligent Transportation Systems (ITS) are providing safety and security** by monitoring and controlling highway traffic throughout the nation. These sophisticated systems provide more than just security, they bring traffic flow data to strategic centers to assist in emergency traffic control, evacuation and surveillance of key bridges and highway infrastructure.

**Homeland security agencies, traffic control centers and the military are using video surveillance cameras** at strategic locations. These cameras enable law enforcement agencies to further protect us against speeders and dangerous drivers while catching the license numbers of toll violators, those with past due traffic tickets and stolen vehicles.

In addition to physical security, **sensitive ITS equipment requires protection** from

electrical transients in order to function properly. Because much of ITS equipment is located in exposed outdoor environments, lightning plays a large part of the damage risk. Lightning induced transients as well as utility transients can render the equipment inoperable. Protection from electrical transients in monitoring facilities, toll plazas, remote readers, weather stations, surveillance cameras and signs keep all of the system operating and reporting.

**Atlantic Scientific offers complete surge protection for all makes and models of video surveillance systems.** We protect video, pan, tilt and zoom (PTZ). Control and power feeds are available for indoor, outdoor pole mounted systems as well as tower based applications.

**Complete ITS protection can be**

**achieved** using Atlantic Scientific's range of AC power surge protection devices to prevent surges entering equipment via the power supply. We provide comprehensive surge protection for Variable Message Signs (VMS), Weigh-In-Motion (WIM) scales, traffic signals, and license plate readers.

**A 10 year, unconditional product warranty** is offered with the CPAC Series, like all of Atlantic Scientific's surge protection devices.

# Camera Protection

# 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, or 120Vac
- ◆ Select AC power protection by determining your risk for lightning and utility surge. Indoor cameras usually have the lowest risk of surge while pole and tower mount cameras have the highest risk. An 18kA protector is adequate for in door camera systems.
- ◆ For mounting at the camera, add water proof box part number ZS24281
- ◆ Internal video protection – installs inside camera housing

Part	Application	Connector	Product
24521	Video/Controller Out 50Ω	BNC F/F	External ZoneBarrier
21610	Video 75Ω	BNC F/F	Internal Video
24584	Video 75Ω	BNC F/F	External ZoneBarrier
21609	Video 75Ω	BNC M/F	Internal Video
21601	Video 50Ω	BNC F/F	Internal Video
24510	PTZ Terminal Strip	RS232	ZoneBarrier
24518	PTZ 2-wire	Terminal Strip	RS485 ZoneBarrier
24587	PTZ 4-wire	Terminal Strip	RS485 ZoneBarrier
24528	PTZ	Terminal Strip	RS422 ZoneBarrier
24575	Camera Power	Terminal Strip	12Vdc ZoneBarrier
24580	Camera Power	Terminal Strip	24Vdc/ac ZoneBarrier
90957	Camera Power	Terminal Strip	48Vdc ZoneBarrier
24572	Camera Power	Terminal Strip	120Vac ZoneBarrier
90790	Camera Power	Terminal Strip	220-240Vac ZoneBarrier
43005	ZoneGuardian	3 Outlet	120Vac ZoneGuardian
22035	Controller Power	18kA Indoor	120Vac MA15
22036	Controller Power	18kA Indoor	220-240Vac MA15
16800	Controller Power	80kA Outdoor	120Vac ZoneDefender <sup>2</sup>
16809	Controller Power	80kA Outdoor	220-240Vac ZoneDefender <sup>2</sup>
11200	Controller Power	150kA Outdoor	120Vac ZoneMaster 150
90515	Controller Power	150kA Outdoor	220-240Vac ZoneMaster 150
24558	Controller Out	RJ48C	T-1 ZoneBarrier
24540	Controller Out	RJ45 CAT5	LAN ZoneBarrier
24585	Power Over Ethernet	RJ45	CAT5CAT 5/48Vdc ZoneBarrier
24281	Camera Protection	Cable Glands	Pole Top Enclosure

**NOTE:** IP cameras that use power over Ethernet require a pin-out and power level in addition to the 10/100Base-T connection. Contact Atlantic Scientific for exact requirements.

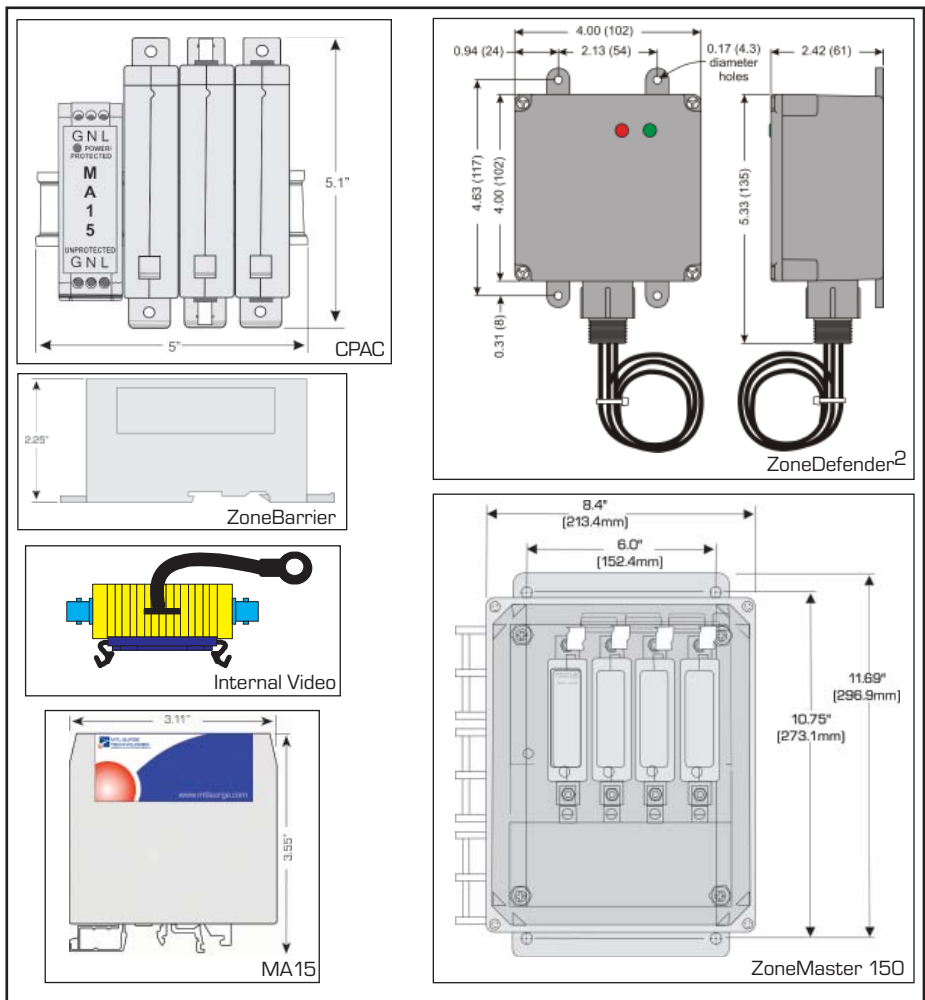
## Housing

**24281** NEMA 4X waterproof housing with cable glands and DIN Rail.  
8.4" x 6.4" x 5.5"  
(21.35cm x 16.25cm x 13.97cm)

## DIN Rails

**21605** 5" DIN rail for up to 4 ZoneBarriers  
**21649** 17.5" DIN rail for up to 16 ZoneBarriers  
**24500** 19" DIN rail (with mounting brackets) for up to 32 ZoneBarriers

Note: In accordance with our policy of continuous improvement, we reserve the right to change the product's specification without notice.



## Atlantic Scientific Corporation

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