



The ADPRO Presidium is the latest generation of video motion detection systems designed specifically for outdoor perimeter and area protection applications. With ADPRO's more than 20 years of experience in video-based outdoor protection, the ADPRO Presidium is the ideal combination of research and development expertise and real world know-how.

With the focus on prevention rather than post-alarm analysis, the potential for loss to your enterprise is greatly reduced.

Presidium provides reliable intruder detection in a wide range of outdoor applications. Its integration with the ADPRO FastTrace and FastTx, as well as the PRO series of PIR detectors, offers a complete remote site security solution.

Reliable Detection

The system employs flexible lighting compensation, multiple scene models, and practical object filters to provide reliable detection. The detection can be tailored for specific applications, based on the level of perceived threat to the site. Compared to other video based perimeter protection systems on the market, Presidium's detection performance is not compromised during periods of scene change, such as during cloud shadows.

Low False Alarm Rate

Presidium incorporates major advances in the reduction of false alarms caused by small animals, trees and their shadows, cloud shadows, car headlights, rain etc. Automatic scene learning and intelligent algorithms dramatically reduce false alarms.

Easy to Use

An intuitive PC based graphical user interface provides an intelligent wizard and pre-configured typical settings, which enables quick setup either on-site or remotely.

Flexible Integration

Comprehensive facilities are provided for easy integration with ADPRO's FastTrace and FastTx through a network based High Level Interface.

Purpose Built Solution

A purpose built hardware platform and dedicated, embedded software combined with real time system monitoring maintains uninterrupted, reliable operation. The Presidium is designed for installation in a typical 19" industrial rack environment.

Features

- High probability of detecting intruders under a wide range of conditions.
- Low probability of false alarms from small animals, clouds, wind and rain.
- Multiple free form detection zones.
- Contrast alarms for sabotage detection.
- Video loss detection for camera, lens or cable failure.
- Easy to commission via quick setup feature.
- Single cable, High Level Interface to ADPRO FastTrace and FastTx, reducing wiring and setup time, providing seamless integration.



Specifications

Video Inputs per module

- 2 independent camera inputs per VM15 module. Each input 1 Volt p/p video input, 75 ohm or high impedance.

Video Outputs per module

- 2 independent video outputs per VM15 module provide 1 Volt p/p video output when terminated by a 75 ohm load.
- Each video output displays channel video and on screen display information and connects directly to the camera during power failure.

Inputs per Channel (2 channels per module)

- All external inputs are transient protected and designed to be driven by dry contacts or logic levels. Voltage input <0.8 V - logic low, 7 mA (max); between 3.5 V and 5.0 V - logic high. Screw terminal connectors Normally Open (NO), Normally Closed (NC), Single End of Line (SEOL) or Dual End of Line (DEOL) tamper detection on each input using supplied resistors.
- Isolate input to disable detection, no video and contrast alarms.
- Alarm input with programmable hold time.

Inputs per chassis

- Access/secure input to enable/disable detection on all channels. Screw terminal connectors Normally Open (NO), Normally Closed (NC), Single End of Line (SEOL) or Dual End of Line (DEOL) tamper detection on each input using supplied resistors.

Outputs per channel (2 channels per module)

- Alarm output relay activates on the occurrence of an intrusion alarm.
Can also be programmed to activate on a no video and/or contrast alarm.

Outputs per chassis

- 1 general alarm relay (normally open and normally closed contacts) activates when an alarm condition occurs on any module.
- 1 fault relay (normally open and normally closed contacts) activates on the occurrence of any system fault: power loss, over temperature condition, system reset.

Network Connections

Setup Port (Front Panel)

10BaseT / 100BaseT Ethernet Port supporting TCP/IP.

LAN 1 & 2 (Rear Panel)

Both 10BaseT / 100BaseT / 1000BaseT Ethernet Port supporting TCP/IP.

Used for HLI connection to FastTrace/FastTx and remote network connection.

Setup

Setup via an intuitive, PC based utility that connects to the unit via a network connection.

Power Requirements

100–240 volts, AC, 50–60 Hz. Maximum power dissipation 250 W.

Construction and Dimensions

Standard 19" rackmount, 3U high subrack to DIN4194.

482 mm (19") W x 132 mm (5.2") H x 281 mm (11") L.

Weight

Rackmount – Fully configured system 8.7 kilograms (19.2 pounds).

Temperature Range

Operating range 0°C - 40°C (32°F - 104°F).

Humidity less than 90% non-condensing.

EMC Compliance

Emissions: Class A compliance to EN55022, CISPR 22, FCC Part 15, AS3548.

Mains Harmonic Current Emissions to EN61000-3-2.

Voltage Fluctuations & Flicker to EN61000-3-3.

Immunity: EN50130-4 (Alarm Systems Product Family Immunity Standard).

Safety Compliance

IEC 60950:1991 +A1,A2,A3 & A4 (CB Report including national deviations for AU, CA, CN, JP, KR, SG, US and EU Group).

UL Listed to US and Canadian Safety Standards.

Warranty

Twenty four (24) months on all components.

Configuration Options

The ADPRO Presidium chassis has slots for up to ten video input modules. Each module has two channels of VMD.

Video Input Modules

VM15 video intrusion detection module. Two VMD channels per module. One VM15 module per chassis is required for basic operation.

Ordering Information

Model	Description
VM-15	Presidium 2 channel module
PDM-0	Presidium - Chassis
PDM-02	Presidium - 2 channel unit
PDM-04	Presidium - 4 channel unit
PDM-06	Presidium - 6 channel unit
PDM-08	Presidium - 8 channel unit
PDM-10	Presidium - 10 channel unit
PDM-12	Presidium - 12 channel unit
PDM-14	Presidium - 14 channel unit
PDM-16	Presidium - 16 channel unit
PDM-18	Presidium - 18 channel unit
PDM-20	Presidium - 20 channel unit

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