

# RECONISENSE

Rugged Laptop for Instant Video Security



AXIAL  
Technologies  
A Division of PLE-Communications

Powered by AVT234<sup>©</sup> Software

## Reconisense VMD Features

- ⊕ AVT234<sup>©</sup> Video Motion Detection Software Engine
- ⊕ Up to 99% probability of detection
- ⊕ Extremely low outdoor NAR/FAR
- ⊕ Immediate visual response
- ⊕ Securely connects to tactical battlefield network
- ⊕ Certified PL1-4 Intrusion Detection System (Air Force)
- ⊕ Has ITAR Commodity Jurisdiction
- ⊕ Works with all brands of PTZ, Fixed, thermal, IR, Near IR cameras
- ⊕ Starts detecting less than 2 seconds after power on
- ⊕ Horizon Line feature provides alert range and target track estimates

## About AVT234<sup>©</sup> Software

The AVT234<sup>©</sup> software engine is at the core of the PLE/Axial product line. AVT234<sup>©</sup> Video Perimeter Surveillance and Intrusion Detection delivers superior outdoor performance in all weather conditions. No zones, camera calibration, or pre-populated databases are needed: AVT234<sup>©</sup> detects on the entire camera view the entire time. Choose from a number of products to fulfill your stationary, mobile or ruggedized perimeter surveillance needs. Low false and nuisance alarms and a high detection rate are promised by many. AVT234<sup>©</sup> delivers.

## Military Asset Video Security Anywhere... Anytime.



When you need to know the REAL threats...in REAL time, the Reconisense Video Security Rugged Laptop, powered by AVT234<sup>©</sup> Video Motion Detection, is your real-time defense against human, animal and vehicle intrusions. With superior video detection and a low false alarm rate, the AVT234<sup>©</sup> Video Motion Detection included in the kit adapts to the environment "on the fly", dramatically reducing NAR/FAR alarms from snow, sand, sun glints, lightning, and trees.

The Reconisense Video Security Rugged Laptop is a self-contained, rapidly deployable mobile video surveillance platform for instant perimeter security.

Reconisense Video Security Rugged Laptops are customized for specific applications. Available options include wireless communications, any brand and type of camera, remote viewing, and remote control of cameras and controls.

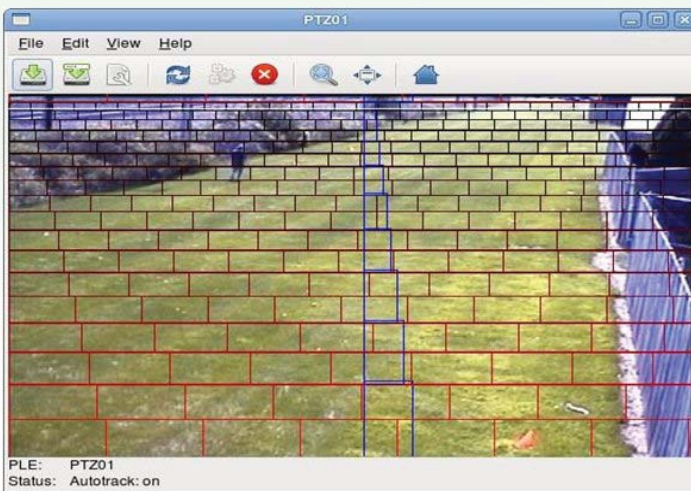
The Reconisense Video Security Rugged Laptop is ideal for mobile military applications, emergency perimeters, law enforcement and other mobile video surveillance needs.

Securing your perimeter and assets has never been this simple.

**Watch. Identify. Respond.**

## Additional Reconisense VMD Features

- ⊕ Low false alarms on snow, rain, lightning, foliage, sun glints, low lighting
- ⊕ US Air Force Certified PL 1-4 Intrusion Detection System
- ⊕ Uses SEIWG-ICD-0101B VMD for XML Exchange
- ⊕ Alarms can be sent via email, serial, relay and XML, and can be audible at location
- ⊕ Up to five cameras/imagers per AVT234<sup>©</sup> trailer
- ⊕ PTZ zooms in automatically on alarm



The AVT234<sup>©</sup> Horizon Line feature provides range and target estimates using proprietary calculations in place of need for range finders or GPS inputs.

- ⊕ Remote access available over network via VNC and SSH
- ⊕ Detects on the entire camera field-of-view, no zoning out or camera calibration required
- ⊕ Works with all brands of fixed, PTZ, video, thermal, IR, Near IR, long-range and wide area cameras
- ⊕ The AVT234<sup>©</sup> is on the Air Force Approved Equipment List (AEL) and can be found under IDS as "PL&E Communications, AVT243<sup>©</sup> (VMD)"

## Rugged Laptop Options



Reconisense AVT234 Video Security Rugged Laptop

## Specifications

<b>Available Configurations</b>	Up to 8 Camera feeds per AVT234 <sup>©</sup> AVT234 or AVT234-SE (Secure Edition) With or without A-GAS Damage Prevention module All products can be customized for specific applications
<b>OS</b>	Linux
<b>NIC</b>	100/1000 Ethernet
<b>Inputs/Outputs</b>	3 x RS-232, 1 x VGA, 2 x RJ45, 4 x USB, 4-8 video ports
<b>BNC Input (NTSC/PAL)</b>	PCIe frame grabber 4 port video capture
<b>Dimensions</b>	mm: 482.6 x 431.8 x 88.8 inches: 19 x 17" x 3.5"
<b>Weight</b>	12.7kgs / 27.9lbs
<b>Input Voltage</b>	120 VAC
<b>Cooling</b>	Middle: 2 x 80 x 25mm fans Rear: 1 x 97mm blower
<b>Tested Outdoor Temp</b>	32°F (0° C) ~ 122°F (50°C) Overheat and low voltage protection
<b>Tested Humidity</b>	5% ~ 95% non-condensing
<b>Standards Met</b>	US Air Force Certified PL 1-4 Intrusion Detection System Uses SEIWG-ICD-0101B VMD for XML Exchange AVT234-SE is Certified to meet NIST 800-53 Cybersecurity Risk Management Standards Meets NERC/CIP 006-5 Physical and 006-3 Cybersecurity requirements
<b>Integration</b>	Integrates with multiple NVR and annunciator display systems Cameras: Fixed, PTZ, thermal, IR, Near IR, long-range, wide-area, any brand
<b>Alarming</b>	Can be sent via email, serial relay, and XML, and is audible at location
<b>Accessibility</b>	Locally, and remotely via VNC or SSH



AVT234<sup>©</sup> can detect, alert on, and follow multiple objects, and has proven accurate even with split-merge and occluded objects.



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