



## DVMD-16

**Radiant's Digital Video Motion Detector (DVMD)** represents a new generation of Intelligent Video Processing. It incorporates adaptive signal processing technology to achieve highly sensitive detection in a wide range of operating environments with a very low nuisance alarm rate. This technology is especially good at handling noisy video sources such as uncooled infrared (IR) and light-intensified cameras. It adapts to changes in lighting and weather that have caused previous generations of video motion detectors to generate a high level of nuisance alarms. Because it works with many camera types, the DVMD can greatly enhance the effectiveness of video-based security systems operating in both indoor and outdoor environments.

### DVMD-16

The DVMD-16 provides the same performance as the DVMD-1 and DVMD-1X products in a high density 2U rack mount package. It is designed for applications that require Digital Video Motion Detection on many cameras. Up to sixteen Video Processors can be plugged into the DVMD-16 chassis. High density packaging reduces the rack space required to monitor large sites with many cameras.

Each channel requires less than 1 watt of power, thus reducing cooling requirements. An internal fan automatically cools the DVMD-16 if the temperature exceeds 130F.

The DVMD-16 has a Mean Time Between Failures (MTBF) that is greater than 100,000 hours making it a good choice for unmanned sites and in applications where high up-time is required. If an ESD (Electrical Static Discharge) or power surge disrupts operation, the internal watchdog circuit resets the Video Processors which reboot and are fully operational within 2 seconds after the transient.

The host interface is through a Lantronix XPORT network adaptor. The XPORT allows the user to set the IP address and port number of the DVMD-16 to meet the system requirements.

Radiant sells the DVMD-16 chassis separately from the Video Processors. This allows the user to purchase only the number of Video Processors needed, making the product much more economical when fewer than 16 channels are required.

The combination of high Probability of Detection (Pd), low Nuisance Alarm Rate (NAR), extended operating temperature range, high MTBF, fast boot time, flexible network connectivity and cost effectiveness gives the DVMD-16 an overwhelming advantage over PC based systems.



*Offering innovative digital video solutions  
for all of your motion detection applications*

# DVMD-16

## DVMD-16 Rear Panel



- High density 2U 19" rack-mount design
- Modular architecture provides 1 to 16 channels of DVMD
- Each channel can drive a PTZ camera
- Supports 10 PTZ presets with unique masks and settings
- RS422 or RS232 PTZ signaling to PTZ cameras
  
- 16 BNC connectors for Video In and 16 for Video Out
- 16 I/O connectors for Alarm and PTZ connections
- 16 Isolated Alarms with Normally Open, Closed, and Common
  
- Cooling by a thermostatically controlled fan
- Each channel requires less than 1 watt of power
- XPORT communication to a host computer
  
- Free GUI software for setup, masks, and API calls
- Web based software and firmware updates
- Free software and firmware upgrades at [www.dvmd.com](http://www.dvmd.com)

## Specifications

Size:	19" Rack-mount 2U Chassis
MTBF	> 100,000 Hours
Network:	10/100 Ethernet to Host
Power:	16 Watts
Voltage:	100 to 240 VAC
Frequency:	47 to 63 HZ
Alarm:	Dry Contact Relay for Each Channel
PTZ Control:	RS485/RS422 for Each Channel
Temperature:	0°C to 50°C
Extended Temp:	Extended Temperature Range Versions Available
Testing:	FCC Emission Test

For more information about **Radiant** and our line of digital video motion detection products, please call (303) 543-0440 or visit [www.dvmd.com](http://www.dvmd.com).

# Right on Target

## Radiant's Video Processor Module

Available for Embedded OEM designs that need robust outdoor video motion detection.



**Radiant, Inc.** brings innovation and precision to the security market. By combining state-of-the-art technology with intelligent video processing, Radiant provides superior performance in sophisticated video-based intrusion detection and tracking.

We've put this level of performance in a tiny, well-engineered package that provides high performance over a wide range of temperatures, web based firmware upgrades, motion detection on PTZ cameras, and the ability to detect and monitor multiple targets. Our emphasis on performance and engineering means that you get a highly cost-effective solution.



[www.dvmd.com](http://www.dvmd.com)  
email: [info@dvmd.com](mailto:info@dvmd.com)

**RADIANT** Incorporated  
2395 Kenwood Drive  
Boulder, Colorado 80305  
T (303) 543-0440  
F (303) 543-2126

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