



# VAADRMIL-N



Zero Dropped Frames



Heavily Ruggedized



Sustained High-Bandwidth



RAW or Compressed Video & Data Capture



## RUGGED

Handle the most extreme working environments with a durable, rugged, shock-resistant construction inside and out.

## COMPACT

Integrate easily in the field with one of the smallest, low-power recorders on the market, with a total volume of 107.3 cubic inches.

## VERSATILE

Interface with USB 2.0 / 3.0, Camera Link, HOTLink, or 1GB Ethernet.

## RELIABLE

Perform sustained, reliable, high-speed, recording with zero dropped frames for mission-critical video and complex data, to a high-capacity DVR.

## ROBUST

Capture massive video files and critical data faster in RAW or compressed format via the built-in high-bandwidth network interface.

## IMMEDIATE

Remove the memory module with the easy-to-grab handle for debriefing, and observe, review, and enhance video with optional VAADRView software.

## APPLICATIONS

- Military or Commercial Airborne Recording
- Ground Vehicle Recording
- Reconnaissance
- UAV
- Mission Training
- Space Launch Imaging



## FLEXIBLE

Work with our engineers to adapt its modular I/O architecture to your unique specifications and custom requirements.



## PROVEN

Leverage our 15 years of experience, as well as proven solutions for high-profile defense, military, and aerospace clients.



## TRUSTED

Rest easy with a COTS drive, designed, coded, manufactured, and supported in the USA.

## SPECIFICATIONS

## V<sub>A</sub>ADR MIL-N

### OPERATING SPECIFICATIONS

SUSTAINED BANDWIDTH 250 MB/sec

### PHYSICAL

DIMENSIONS 7.5" x 5.5" x 2.6"

DIMENSIONS REMOVABLE MEMORY MODULE 6.5" x 4.7" x 1.4"

WEIGHT 5 lbs (2.3 kg)

### ENVIRONMENTAL

RUGGEDIZATION STANDARD MIL-STD-810F

OPERATING TEMPERATURE -25°C to +70°C (Self heating at temperature below -25°C)

NON-OPERATING TEMPERATURE -50°C to +85°C

MECHANICAL SHOCK 810F, Method 516.5, Procedure 1

VIBRATION 810F, Method 514.5, Procedure 1

MAX ALTITUDE Op: 50k feet, Non-Op: 70k feet

HUMIDITY 810F, Method 507.4

EMI/EMC MIL-STD-461E, including CE102, RE102, CS101, CS114, CS115, CS116, RS103

### ELECTRICAL

POWER 12V power barrel for desktop operation  
28V thru rear connector  
Battery Backed RTC

MAX POWER CONSUMPTION 35 Watts

### INTERFACE OPTIONS

HOTLINK 8 RX Channels

ANALOG VIDEO 2 Channels In, 1 Channel Out RS170 or NTSC

ETHERNET 1 1Gb RX/TX

CONTROL 5 RS422 RX Channels, 2 RS422 TX Channels, 1 RS232 Transceiver

5 General Purpose I/O

CAMERA LINK 1 Base Config Input

AUDIO 24 bit Line Level Input/Output

Other Options Available Upon Request

### DEBRIEF OPTIONS

USB 1 - USB 2.0/3.0

Other Options Available Upon Request

AVAILABLE RECORDING CAPACITIES 512GB up to 8TB

