

# NVTS DVE AN/VAS-5B(V)3

## **Driver Vision Enhancer (DVE) for Track and Tactical Wheeled Vehicles**

The AN/VAS-5B(V)3 provides enhanced situational awareness in adverse weather, nighttime, and in battlefield operations. Its compact flexible design makes it a drop-in replacement for legacy DVE AN-VAS 5 systems with optional mounting kits. Drivers and crew are provided with enhanced high-resolution thermal vision of surroundings, allowing better vehicle mobility and increased safety.

The DVE's controls are manually accessed from within the vehicles cockpit from the systems Display Control Module (DCM-1).

This DVE is a complete turn-key Driver Vision System designed for installation on a variety of tactical wheeled armored vehicles and tanks.

### **Basic Features:**

- **Advanced UFPA Sensor Technology**  
*High Resolution 640 x 480 UFPA Ultra Crisp Thermal Image*
- **Modular Design**  
*Easy upgrade of sensors and displays*
- **Versatile, Flexible Design**  
*Drop-in replacement kits for existing M88 A1/A2 Recovery Vehicle, M113, and Stryker versions*
- **Ruggedized Display and Control Monitor DCM-1**  
*Simple control of thermal polarity, gain, brightness and camera selection. Design is compliant with government issued performance specifications, and provides backward compatibility with legacy DVE system configurations (cables, sensors and adjustable angle folding mounting bracket)*



### **Applications:**

- Local Situational Awareness
- Driver Vision
- Threat Detection

### **Options:**

- Sensor Options
- A-kits for Stryker ICV



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## Product Specifications

IR Detector:	640 x 480 LWIR	Gain:	Manual via DCM Control
HFOV:	50° (optional FOVs available)	Focus:	Athermalized, Focus-Free, 5m to Infinity
Frame Rate:	60hz, 30hz	Weight:	< 7kg (15.4 lb) typical for camera
Spectral Band:	7.5µm-13.5µm	Power Supply:	12-40 VDC nominal, MIL-STD-1275
Pixel Pitch:	12µm and 10µm options	Operating Temp:	-20° C to +50° C (-4° F to 122° F)
IR Image Polarity:	Manual White Hot/Black Hot Polarity Control via DCM Switch	Power Consumption:	@ -40° C < 100 W with integrated heater @ +60° C < 100 W with integrated cooler
		Mil Spec:	Water, Shock, Dust and Vibration



DCM-1



This product is subject to export control laws and regulations of the United States government and fall under the control jurisdiction of either ITAR or EAR regulations.



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