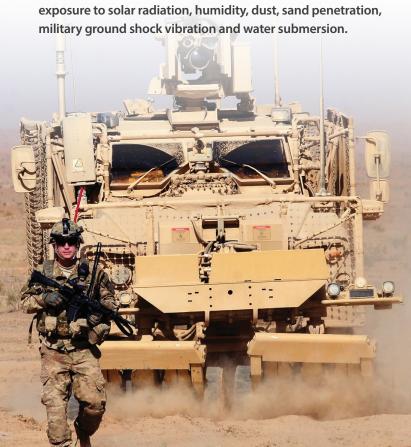
NVTS DVE AN/VAS-5B(V)2

Thermal Driver Vision System

The NVTS DVE provides enhanced situational awareness in adverse weather, at night time and in battle- field operations. The DVE's low profile yoke positioner remotely operates using a joystick controller design for vehicles with Driver's Vision Enhancer (DVE) programs.

Drivers and crew are provided enhanced high resolution wide angle thermal vision allowing better vehicle mobility and increased safety. The Patriot DVE controls are manually accessed from the High Resolution Display Control Module (DCM-1) and NV-448 Controller.

NVTS DVEs are military hardened for in-theatre operations and withstand pressure change, extreme temperatures, exposure to solar radiation, humidity, dust, sand penetration, military ground shock vibration and water submersion.





Features:

- High Resolution 640 x 480 Advanced UFPA Ultra Crisp Thermal Resolution
- Drop-in Replacement Kits for Existing Vehicles
- Simple Control of Polarity, Gain, Brightness and Sensor Selection
- Rapid Automatic "Return to Home" Function
- · Certified to Military Environmental Test Criteria
- Mil-Spec Connectors
- Tough Metal Housing and Gearing for Durability in Harsh Environments
- Includes DCM-1 Adjustable Monitor Mounting Bracket

Ruggedized Display 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)



NVTS DVE AN/VAS-5B(V)2 Product Specifications

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16 – 32 VDC (24VDC nominal) MIL-STD-1275	
90 Watts (max) (motor / heater shared current)	
Standby power: < 0.200A at 24VDC (no heater current)	
180°	
35, centering @ 45	
70° (+30°/-25°)	
35, centering @ 45	
Included standard, Thermostatically controlled (32° on/35° off)	
Without Heater: -15° C to 55° C (5° F to 131° F)	
With Heater: -30° C to 55° C (-22° F to 131° F)	
Fixed tilt hard limit, adjustable soft limits on both axes	
Magnetic Encoders (0.044° readout)	
0.25°	
6061-T6 Aluminum, stainless steel hardware, permanently sealed radial ball bearings	
PTU: Powder coat paint over alodined chromate	
Camera: Hard Coat Annodized	
Colors available upon request	
16.6 lbs (7.53kg)	
H: 9.62" (244.4mm) W: 8.84" (224.5mm)	
D: 5.78" (146.7mm)	

Environmental

15,000 ft to 40,000 ft for 15 sec or less	
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Thermal Camera

640 x 512 LWIR	
30hz	
7.5µm-13.5µm	
50° (FOV options available)	
Manual White Hot/Black Hot Polarity	
Control via DCM Switch	
Manual via DCM Control	
Athermalized, Focus-Free, 5m to Infinity	

Controller

Controller Module, Joystick Control, with Relay Activation.

On/Off Switch Provides Power to the Pan/Tilt Power Relay

Joystick with "Deadman Switch" Button

Separate Return to Home Button

Set Center Position Capability

8.99"L x 4.76"W x 2.04"H (228 x 121 x 52mm)

Cables included







DCM-1 Display

This product is controlled under the International Traffic in Arms Regulations (ITAR). This product cannot be exported without first complying with all the requirements of the ITAR (22 CFR 120-130), USML Category XII ©, including requirements for obtaining specific export authority from the United States Department of State.



