

DVE10

DRIVER'S VISION ENHANCER DISPLAY



Providing clear and precise thermal imagery, the DVE10 presents mission-critical information under rugged (shock and vibe) and harsh weather conditions (fog, sand, dust or smoke). The DVE10 design is compliant to government-issued performance specification MIL-PRF-49256D and ICD A3325865, providing backwards compatibility with legacy DVE system configurations (cables, sensors and mounting). Whether the mission calls for a new vehicle system or a drop-in replacement, the DVE10 meets the requirements.

STANDARD FEATURES

- (1) Sensor Input (RS-170) (Compliant to ICD A3325865)
- (1) Composite AUX RS-170 Video Input
- (1) Pass-through Video Output (RS-170)
- (2) RS-422 Serial Data Interface
- SVGA Resolution (800x600)
- MIL-C Connectors*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- 10.4" TFT AM LCD
- Mounts in Standard A-Kits



* Cables not included



Technical Specifications			
Display		10.4" TFT AM LCD, SVGA (800x600), 16,777,216 Colors	
Nits		800 nits	
Contrast Ratio		900:1	
Dimming Ratio		3000:1	
Viewing Angle		160° (H) x 160° (V)	
Video Inputs		(2) RS-170	
Connectors*		MIL-C Connectors (A1J1, A1J2, A1J3, A1J5) BNC (A1J3, A1J6)	
Housing		Milled AL, Black Hard Anodized	
Mounting		Standard A-kit; backwards compatible with legacy DVE installations	
Wide Range DC Power Input†		10-36 VDC (12,24,28 VDC nominal)	
Power Conditioning		Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity	
Power Consumption		30 Watts Maximum	
Environmental Specifications			
IP Rating		IP67 (NEMA 6 Submersible)	
Operating Temperature		-40°C to 71°C (-40°F to 160°F)	
Storage Temperature		-51°C to 71°C (-60°F to 160°F)	
Humidity		0-100%	
Altitude		45,000 ft.	
Military Specifications			
MIL-STD-461	EMI	MIL-STD-810	Method 511; Explosive Atmosphere
MIL-STD-704	Aircraft Power Requirements	MIL-STD-810	Method 512; Immersion
MIL-STD-810	Method 500; Altitude	MIL-STD-810	Method 513; Acceleration
MIL-STD-810	Method 501; I & II; High Temperature	MIL-STD-810	Method 514; Procedure I, II, V, VI; General Vibration
MIL-STD-810	Method 502; I & II; Low Temperature	MIL-STD-810	Method 516; Procedure I, Functional Shock
MIL-STD-810	Method 503; Temperature Shock	MIL-STD-810	Method 520; Temp, Humidity, Vibe and Altitude
MIL-STD-810	Method 505; Solar Radiation	MIL-STD-810	Method 523; Vibro-Acoustic/Temp
MIL-STD-810	Method 506; Rain	MIL-STD-1275	Vehicle Power Requirements
MIL-STD-810	Method 507; Humidity	MIL-STD-1472	Thermal Contact Hazard
MIL-STD-810	Method 508; Fungus	MIL-A-8625	Standard Finish, Type III, Class 1 & 2
MIL-STD-810	Method 509; Salt/Fog	MIL-PRF-22750	Painted Finish, Optional, Minimum Quantity Required
MIL-STD-810	Method 510; Blowing Sand and Dust	MIL-DTL-26482	(and 38999) Connector, Qualified

* Cables not included

† Power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required

ON-GOING PRODUCT DEVELOPMENT MAY NECESSITATE DESIGN AND SPECIFICATION CHANGES WITHOUT NOTICE.