

DVE10-FHD

DRIVER'S VISION ENHANCER DISPLAY
with Digital and Analog Video Inputs



The DVE10-FHD is a next generation DVE DCM that combines legacy compatibility with powerful optical and performance enhancements. Equipped with full high-definition 1920x1080 resolution, enhanced contrast ratio and increased luminance, this next-gen solution redefines awareness on the battlefield. DVE10-FHD ensures mission-critical data is transmitted swiftly through low latency and digital video inputs. Empowering operators with maximum control, programmable bezel keys offer access to both predefined and custom user settings.

DVE10-FHD remains firmly rooted in its commitment to legacy systems and compatibility by retaining key features such as a mechanical interface with the DVE bracket, analog sensor input, and controls for level, gain, and polarity.

STANDARD FEATURES

- 10.1" LCD Module, 1920 x 1080 Resolution
- 3G/HD SDI Video Input
- 3G/HD SDI Video Output
- Composite Sensor Video Input; Compatible with ICD A3325865
- Composite Video Output
- Legacy Polarity, Gain, and Level Controls
- Programmable Bezel Keys
- MIL-C Connectors
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- IP67/NEMA 6 Sealing Rated
- Mounts in Standard DVE Bracket



* Cables not included



TECHNICAL SPECIFICATIONS			
Display		8-bit color, 16,777,216 colors. TFT AMLCD (Thin-Film Transistor Active-Matrix Liquid-Crystal Display)	
Luminance		800 nits	
Contrast Ratio		800:1	
Dimming Ratio		1000:1	
Viewing Angle		170° (H) x 170° (V)	
Video Inputs/Outputs		SDI In/Out, Composite Video In/Out	
Connectors*		<div><div></div><div>MIL-C Connectors (A1J1, A1J2, A1J3, A1J5)</div><div></div><div>BNC (A1J3, A1J6)</div></div>	
Housing		Milled AL, Black Hard Anodized	
Mount Options		Standard DVE Bracket; 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.

