DRIVER'S VISION ENHANCER



10.4" Driver's Vision Enhancer LCD Display R\$170/R\$422 Input (1) Sensor Input (R\$-170)(1) Composite AUX Video Input(1) Pass-through Video Sensor Output (RS-170)(2) RS422 Serial Data Interface SVGA Resolution (800 x 600)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

Model: DEV1040

Providing clear and precise thermal imagery, the DEV1040 presents mission-critical information under rugged (shock and vibe) and harsh weather conditions (fog, sand, dust or smoke). The DEV1040 design is compliant to government-issued performance specification MIL-PRF-49256D and ICD A3325865, providing backwards compatibility with legacy DEV system configurations (cables, sensors and mounting). Whether the mission calls for a new vehicle system or a drop-in replacement, the DEV1040 meets the requirements.

STANDARD FEATURES

- Composite AUX Video Input, RS-170 (1)
- Pass-through Video Sensor Output, RS-170 (1)
- Serial Data Interface, RS422 (2)
- SVGA Resolution (800x600)
- MIL-C Connectors*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- 10.4" TFT AMLCD
- IP67/NEMA 6 Enclosure (Sealed Connectors*)
- Mounts in Standard Bracket









i-Tech Company LLC Modified Date: 03-29-2021 TOLL FREE: (888) 483-2418 • EMAIL: info@itechlcd.com • WEB: www.iTechLCD.com

SPECIFICATIONS

TECHNICAL SPECIFICATIONS				
Display		10.4" TFT AMLCD (Thin-Film Transistor Active-Matrix Liquid-Crystal Display), SVGA (800x600), 16,777,216 Colors		
Luminance		800 nits		
Contrast Ratio		900:1		
Dimming Ratio		3000:1		
Viewing Angle		160° (H) x 160° (V)		
Video Inputs		RS-170 (2)		
Connectors*		-MIL-C Connectors (A1J1, A1J2, A1J3, A1J5) - BNC (A1J3, A1J6)		
Housing		Milled AL, Black Hard Anodized		
Mount Options		Standard DEV Bracket; Backwards compatible with legacy DEV 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 Requ		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	·		MIL-STD-1275	Vehicle Power Requirements
MIL-STD-810	• ,		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	1 11 11 1 1 1 1 1 1		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.

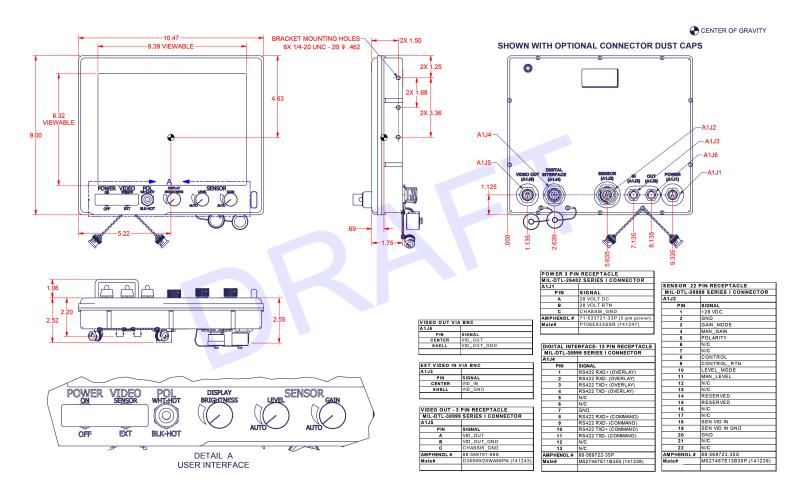
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^{† -} Power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required.

^{*}Specifications subject to change without notice, not responsible for typographical errors.

MECHANICAL DRAWINGS

This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.



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