GVD-126
10 inch GVA video display
Vehicle Rugged Displays and Computing: Extremely Rugged

Rugged touchscreen GVA display with Def Stan 23-09 compliant design and modular expansion slots

Real-time video imaging for C4ISR and GVA compliance with ergonomics and optimised SWaP-C

The GVD-126 GVA video display from Esterline combines a rugged 10-inch touchscreen with real-time video imaging to provide a high-performance visualisation display in a compact footprint. The GVD-126 display is compliant with the Generic Vehicular Architecture (GVA) and optimised for SWaP-C and modular open architecture, making this display ideal for vehicle-mounted C4ISR applications.

Extreme Performance

The GVD-126 display delivers the latest proven technologies, such as a rugged analog-resistive, low-reflection touchscreen, and real-time video stream decoding for tactical network architectures. These features are packaged to perform while operating in harsh environments.

Image Processing and Computing Performance

The GVD-126 unit connects to a variety of network stream, analog video, and data sources to deliver enhanced situational awareness. For a smart-display configuration with an open-architecture CPU, Esterline also offers the SmartView SV-126 display.

Modular Design

The SV-126 smart display includes expansion slots based on open industry standards. This modularity allows customised IO configurations and dedicated hardware controllers.

Product Specifications

Panel size	10.4 inches diagonal, 4:3 aspect ratio
Resolution	1024 x 768 (XGA)
Colour depth	6 bits / colour 8 bits / colour with patented dithering algorithm
Brightness	Day mode: 340 cd/m^2 / 100 fL min. Night mode: 3.43 cd/m^2 / 1.0 fL max., dimmable to black
Contrast ratio	9001:1 (dark environment)
Dimming ratio	>200:1 typical
HMI	Def Stan 23-09 compliant 4 control keys and 28 function keys Rugged AR high-resolution touchscreen
Power supply	MIL-STD-1275E compliant
Power consumption	50 W typical, 80 W max. (without heaters)
Dimensions	286 x 254 x 68 mm (w x h x d)
Weight	5.9 kg
Environmental	MIL-STD-810G Operating temperature: -46ºC to +65ºC (+71ºC with limitations) Storage temperature: -51ºC to +71ºC Humidity: 95 percent, 60º C Altitude: 40,000 feet operating (12,192 m), 50,000 feet non-operating (15,240 m) Salt fog: 48 hours, 5-percent concentration Sand and dust: blowing sand/dust Ingress protection: 1 meter immersion for 30 minutes Vibration: tracked-vehicle profile Shock: 40 g, 23 ms (6 shocks/axis)
EMI / EMC	MIL-STD-461F Ground army
Standard GVD-126 inputs/outputs	Def Stan 23-09 compliant connectors 1 x VIVOE Gigabit Ethernet port 1 x DVI-D 1.0 video port 1 x USB 2.0 touchscreen port 1 x USB 2.0 remote-control port 1 x maintenance Ethernet port 1 x 8 G PIO inputs portsatrix
Optional GVD-126 inputs / outputs	3x video inputs RS-170, PAL/NTSC

Refer to Codis SV-126 literature for optional smart display configuration, featuring the latest Intel® Core™ CPUs.

September 2018

All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

Partnered Supplier

Esterline

sales@eylex.com.au
www.eylex.com.au

eylex