

GVD-126 10-Inch GVA Video Display

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 optimized SWaP-C



The GVD-126 GVA video display combines a rugged 10-inch touchscreen with real-time video imaging to provide a high-performance visualization display in a compact footprint. The GVD-126 display is compliant with the Generic Vehicular Architecture (GVA) and optimized 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, ScioTeq also offers the SmartView SV-126 display.

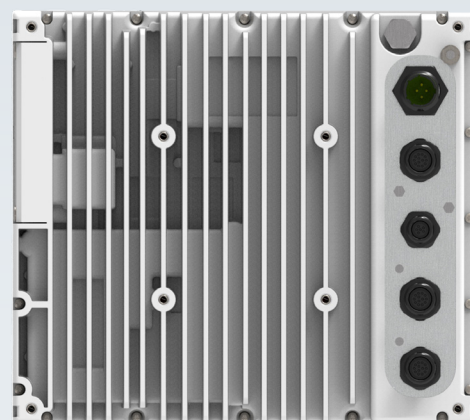
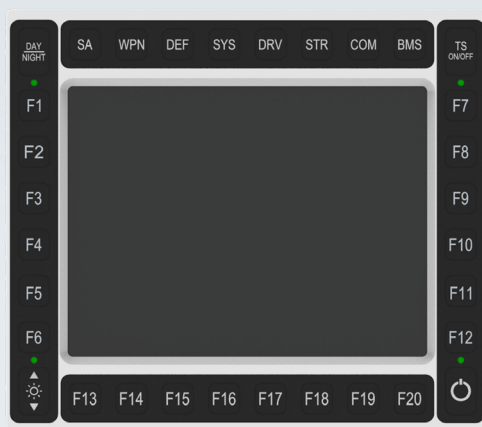
Modular Design

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



Product specification	
Panel size	10.4 inches diagonal, 4:3 aspect ratio
Resolution	1024 x 768 (XGA)
Color depth	6 bits/color 8 bits/color with patented dithering algorithm
Brightness	Day mode: 686 cd/m ² / 200 fL min. Night mode: 3.43 cd/m ² / 1.0 fL max., dimmable to black
Contrast ratio	900:1 (dark environment)
Dimming ratio	> 200:1 typical
HMI	Def Stan 23-09 compliant bezel 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 /11.25 x 10.0 x 2.66 inches (w x h x d)
Weight	5.9 kg / 13 lbs
Environmental	MIL-STD-810G Operating temperature: -46° to +65° C (+71° C with limitations) Storage temperature: -51° to +71° C Humidity: 95 percent, 60° C Altitude: 40,000 feet operating, 50,000 feet non-operating 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 8 x Multiplexed GPIO digital discrete inputs 3 x digital GPIO discrete outputs
Optional GVD-126 inputs/outputs	3x video inputs RS-170, PAL/NTSC

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



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The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.

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