

12.1" AM-SVGA



12.1" AMLCD

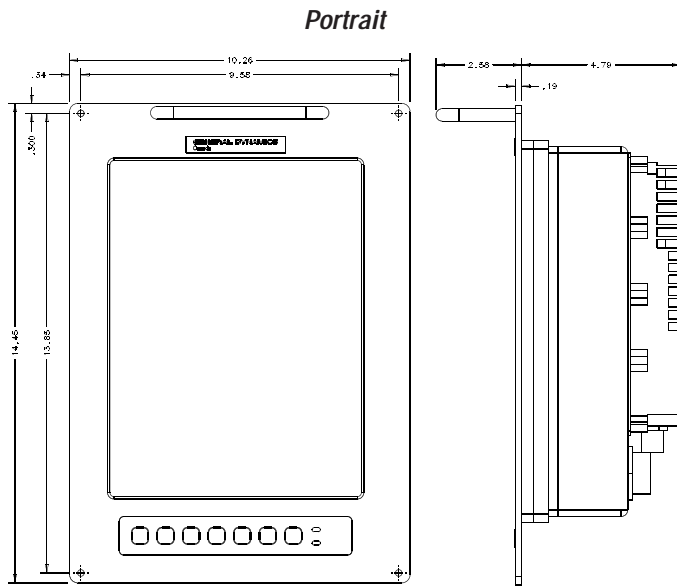
FEATURES

- ◆ Flexible configuration
- ◆ Field proven
- ◆ Sunlight viewable
- ◆ Built for survivability in extreme conditions
- ◆ Portrait & Landscape versions

General Dynamics Canada Ltd. is a world leader in militarized Flat Panel Displays. Our displays are in service with armed forces in North America, Europe, Asia, Australia and the Middle East. Military applications include armored vehicles, reconnaissance aircraft, ships, submarines and flight line test equipment.

GENERAL DYNAMICS
Canada

Technical Information



PHYSICAL CHARACTERISTICS

	Landscape	Portrait
Height:	10.25" (254 mm)	14.45" (367 mm)
Width:	11.50" (285.7 mm)	10.26" (260.6 mm)
Depth:	3.40" (76.2 mm)	4.98" (126.5 mm)
Weight:	15 lbs max (6.8 kg)	20 lbs max (9 kg)

INTERFACE OPTIONS

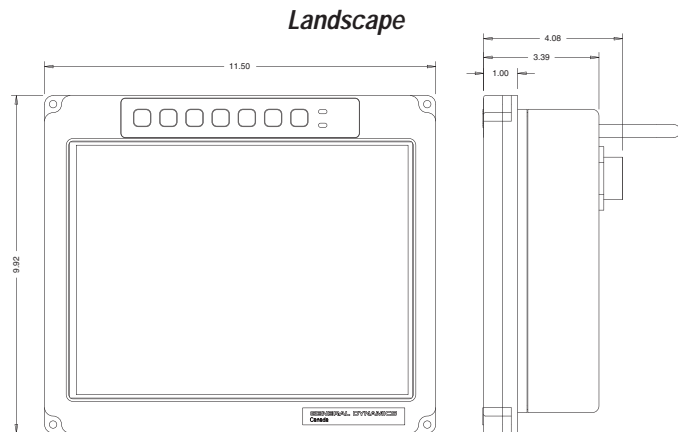
- Video
 - LVDS Display Interface (LDI) compliant digital video
 - RGB analog
 - Separate Horizontal and Vertical TTL sync
 - Sync on green
 - RS170
 - NTSC/PAL/SECAM
 - Formats: VGA, SVGA
 - Digital zoom provides smooth scale from lower resolution video signal
 - Digital frame rate converter/de-interlacer
- RS-422 serial link for host control/status
- Touchscreen
- Custom bezel configurations
- Input Voltage: 18 to 32 Vdc, to MIL-STD 1275(AT)
 - Power: (Typical) 55 Watts @ 513 cd/m²
115 Vac, 400Hz option (portrait)

OPTICAL CHARACTERISTICS

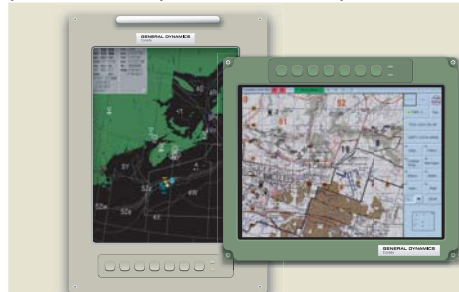
- Viewing Area - 9.68" (246.0 mm) x 7.26" (184.5 mm)
 - Matrix 800 x 600
 - Pixel Size 0.31 mm x 0.31 mm
 - 18 bit colour (262144 colours)
- Brightness >684 cd/m²
 - Brightness control <1.7 to >684 cd/m²
 - Contrast Ratio >10:1 @1000 fc (10,000 lux)
- Viewing Angles: Horizontal ± 60°
Vertical > 45° up, 55° down

ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature: -25°C to +55°C
- Storage Temperature: -45°C to +71°C
- Relative Humidity: up to 100%
- Shock MIL-STD-810E
- Vibration MIL-STD-810E
- EMI/EMC MIL-STD-461D
- Nuclear hardened design utilising Nuclear Event Detector
- MTBF >15,000 hours MIL-STD-217(GM)



The display described represents a typical configuration of this family of products. Specifications may be configurable for specific customer requirements. For specifics on interfaces, bezel buttons, casings, connectors, and other configurations, please contact your GD Canada representative listed below.



For more information please contact us at:

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