

6.4" AMLCD

0640AM-VGA



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.

Features

- Sunlight viewable
- Nuclear qualified
- NVG compatible
- Rugged hand-held option
- Built for survivability in extreme conditions

Optical Characteristics

Display Area	130.6 mm x 97 mm
Matrix	640 x 480 (VGA)
Pixel Size	0.204 mm H x 0.202 mm V
	18 bit colour
Brightness	342 cd/m ²
Brightness control	< 1.71 to > 342 cd/m ² in normal mode, 0 to 1.71 cd/m ² in Night Vision Mode
Contrast Ratio	>3:1 @2788 fc (30,000 lux)
Viewing Angles:	Horizontal -70° to +70° Vertical -55° to +35°
Night Vision Compatible Backlight - Secure Lighting less than 0.5%	

Physical Characteristics (approximate)

Height	6.8" (172.5 mm)
Width	7.9" (201.7 mm)
Depth	3" (77.2 mm)
Weight	5.14 lbs (2.32 kg)

Built-In-Test

- Video sync presence
- Internal pattern generator
- Thermal management
- Power management

Interfaces

- Video
- Analog
- Monochrome RS170/RS343
- NTSC/PAL
- Digital
- LVDS
- RS-232/422 serial link for host control/status
- Input Voltage 18 to 32 Vdc MIL-STD 1275(AT)
- Power (Typical) 31 Watts @ 100 fL typical (no heater)

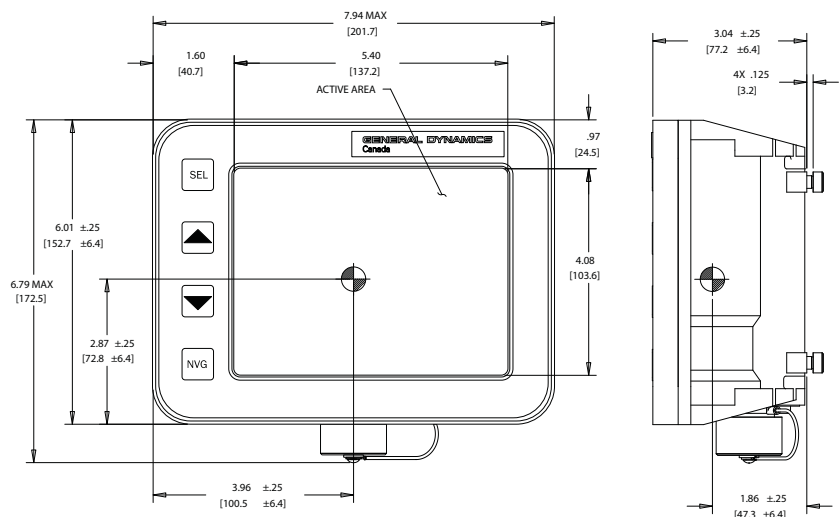
Environmental Specifications

Operating Temperatures	-40°C to +60°C
Storage Temperatures	-55°C to +85°C
Relative Humidity	up to 100%
Shock	MIL-STD-810E, Method 516.4, Procedure 1, Functional Shock
Vibration	MIL-STD-810E, Method 514.4, Category 8, Airborne Cargo
EMI/EMC	MIL-STD-461D
MTBF	>7500 hours at 60°C
	MIL-STD-217(AIC)

Options

- Custom enclosures
- Bezels with integrated switches
- Embedded Single Board Computer

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.



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