

# 2010AM(A)-SXGA



## 20.1" AMLCD

Selected for NATO AWACS  
Mid-Term Modernisation Programme

Tailorable for airborne, shipborne  
or land requirements

## Features

- Flexible configuration
- Wide viewing angle
- Sunlight viewable
- Built for survivability in extreme conditions

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 armoured vehicles, reconnaissance aircraft, ships, submarines and flight line test equipment.

This 2010AM(A) colour display is in production for various Canadian military programs with Naval and Land Combat Vehicle applications. This AMLCD unit has also been selected for the NATO AWACS Mid-Term Modernisation Programme. With over 500 contracted deliveries, this display can be tailored for airborne, shipborne or land requirements. Various options are available including the "Waterfall Solution" that permits flicker-free acoustic monitoring. De-interlacing for NTSC operation is also available.

# Technical Information

## Optical Characteristics

Display Area	20.1" diagonal 16.05" (419 mm)x 12.75" (323 mm)
Matrix	1280 x 1024 pixels
Pixel Pitch	0.312 (square pixel)
Brightness	410 cd/m <sup>2</sup>
Brightness Control	0.3 to 410 cd/m <sup>2</sup>
Contrast	10:1 at 8000 fc
Gray Level analog	>24 bit (16M colors)
Viewing Angle	>160° horizontal and vertical

## Physical Characteristics

Height	15.7" (399.5 mm)
Width	19.0" (482.8 mm)
Depth	3.80" (96.5 mm) @bezel -1.57" (39.9 mm)
Weight	38 lbs (17.3 kg)
Input Voltage	18 to 32 V dc, to MIL-STD-1275(AT), MIL-STD-704A Option 110-230 V, 50-400Hz
Power (Typical)	100W, 180W including heaters
MTBF	>10000 hours at 60°C MIL-STD-217=Ground Mobile

## Environmental Conditions

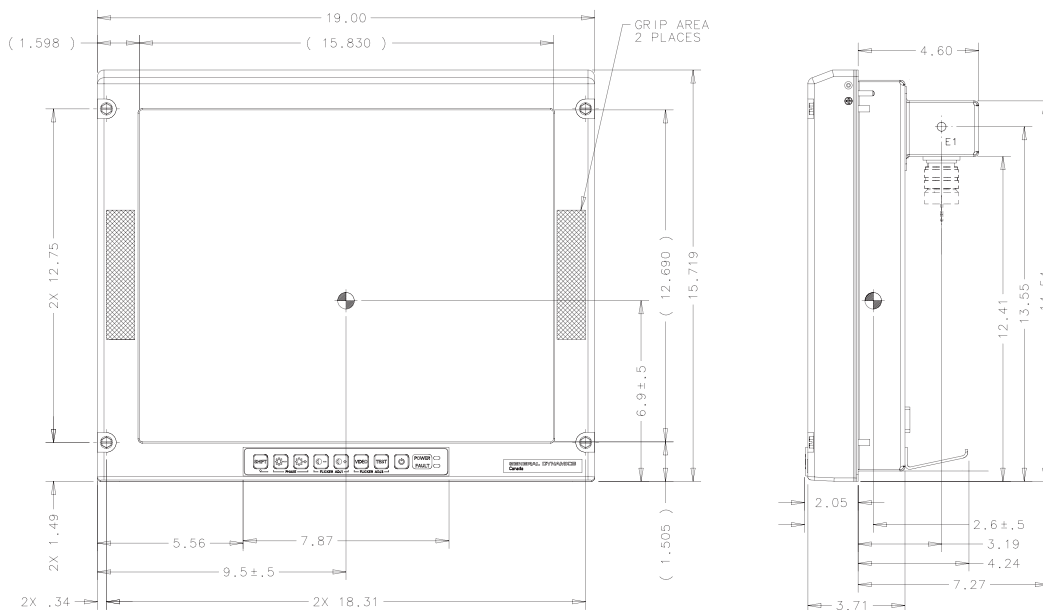
Operating Temperature	-40°C to +50°C
Storage Temperature	-55°C to +85°C
Relative Humidity	up to 100%
Shock	MIL-STD-810E, Method 516.4, Procedure 1, Functional Shock
Vibration	MIL-STD-810E, Method 514.4, Category 8, Airborne Transport
EMI/EMC	MIL-STD-461D

## Interfaces

RGB +Separate TTL H&V Sync  
 RGB +Composite Sync on Green  
 LVDS (Digital)  
 Formats: VGA, SVGA, XGA, SXGA

## Options

Waterfall Solution  
 De-interlacing for NTSC operation  
 Touch control overlays  
 Optical filters for specific applications  
 Bezels with integrated switches



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