

MD6010

Multi-Function Display



Rugged 10" Multi-Function Vehicle Display

The MD6010 is a high performance and high resolution video monitor designed for on-the-move operations, in tactical and armoured ground combat vehicles.

Embedded digital video processing and bezel buttons enables user-controlled viewing & manipulation of imagery, from multiple video sensors.

The MD6010 display prepares you with situational awareness systems; direct video sensors and/or computer graphics video.

Features:

- Sunlight readable XGA (1024 x 768) 10.4" display.
- Touchscreen option and up to 28 bezel button user input controls.
- Multiple digital and analog video inputs.
- Video processor for control & fusion of multiple video inputs.
- H.264 Video over Ethernet decoder option.
- Def Stan 00-82 VIVOE decoder option.

Technical Information

Power

Power Supply MIL-STD-1275D

Interfaces

Video Inputs 4 RS170A (NTSC/PAL)
DEF STAN 00-82 Ethernet decoding
H.264 Ethernet decoding (optional)
1 DVI-D up to SXGA (1280x1024) (optional)
4 HD-SDI (2 in-base and 2 via expansion site) (optional)

Video Output 1 RS170A (NTSC/PAL) (optional)

Ethernet 4 Gigabit Port

Serial Ports 1 RS 422/232 serial port control
1 RS 422/232 serial TS interface (optional)

USB 2 USB 2.0 Ports for TS/CAN interface (optional)

CANBus Dual J1939 MilCAN (optional)

Discrettes 4 GPIO

Optical Characteristics

Resolution XGA (1024 x 768)

Size 10.4"

Contrast Ratio 400:1 (typical), HACR > 5.66:1

Brightness >250 fL (850 nits)

Dimming Range <0.05 fL to >250 fL

Viewing Angle >±70 H, >±55 V

Bezel Up to 28 bezel buttons
Customized configurations available

Touchscreen Resistive

Physical Characteristics

Size (w x h x d) 287 mm x 236 mm x 64 mm (11.3" x 9.3" x 2.5")

Weight 4 kg (9 lbs)

Connectors Sealed MIL-C-38999

Environmental Specifications

Operating Temperature -40°C to +60°C (-40°F to 140°F)

Storage Temperature -46°C to +71°C (-51°F to 160°F)

Vibration MIL-STD-810G
Method 514.6, Procedure I Composite
Wheeled Vehicle

Shock MIL-STD-810G Method 516.6,
Functional: Procedure I
Bench Handling: Procedure VI

Water Tightness MIL-STD-810G Method 512.5, Procedure I

Altitude MIL-STD-810G Method 500.5, Proc. I & II

Humidity MIL-STD-810G Method 507.5

Salt Fog MIL-STD-810G, Method 509.5

EMI/EMC MIL-STD-461F, Army, Ground

The video processing monitor described here represents a general configuration of this family of products. Specifications are configurable for specific customer requirements. For pricing and availability interfaces, bezel buttons, casings, connectors and other information, please contact your General Dynamics representative.