



**Palomar
Display
Products**

Ground Multi Function Displays



Palomar Display Products' family of Multifunction Displays (MFD) are designed to meet a broad range of ground and maritime applications. The MFD's are high quality, ruggedized control and display units for armored vehicles. They are weather resistant to meet the requirements of maritime applications.

The Multi-Function Displays feature active matrix color LCD's with high resolution, high brightness, and high contrast. They are available in 8.4", 10.4" and 12.1" sizes. The LED backlights provide excellent readability in direct sunlight. The MFD's can be easily integrated in a broad range of system architectures due to their wide selection of I/O interfaces. In addition, the bezels house multiple software-configurable keys with functions that can be tailored to fit specific systems.

All products are designed and manufactured to meet specific customer requirements. They can be tailored to operate with various video and communication standards.

Palomar Display Products, Inc.

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Ground Multi Function Displays Specifications



Power Input	18-32 VDC MIL-STD-1275
Power Consumption	60 W maximum at maximum brightness
Serial Standards	RS-422, CAN Bus
Video Inputs	NTSC, PAL, or RS-170
Number of Video Inputs	Maximum 4
Connectors	D38999
Frame Rate	50 to 60 Hz
Function Keys	Up to 24 illuminated soft keys
Aspect Ratio	4:3
Built-In-Test	Microprocessor controlled
NVG Compatibility	Class B (optional)
Viewing Angle	Horizontal $\pm 45^\circ$, Vertical $\pm 30^\circ$
Resolution	Up to 1024x768
Color Capability	256,000 colors (6 bits/color)
Gray Shades	64 Levels
Operating Temperature Range	-20° to +55°C
EMI	MIL-STD-461C, MIL-STD-6051D(464)
Environmental	MIL-STD-810C/D
MTBF	Greater than 5000 hours



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