

VMFD-810

VIDEO MULTIFUNCTION DISPLAY

7.3" x 9.7" AMLCD
ACTIVE DISPLAY AREA

1360 x 1024
RESOLUTION

WIDE
VIEWING ANGLE





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VIDEO MULTIFUNCTION DISPLAY

VMFD-810 Multifunction Display is color flat panel display using Active Matrix Liquid Crystal Display (AMLCD) technology, with an active display area of 8 by 10 inches. It is specially designed for airborne mission computer applications and features analog/digital video input displaying and digital input/output processing capabilities.

VMFD-810 can display "Display Port 1.1A" digital video inputs for the high resolution 1360 x 1024.

VMFD-810 outputs pressed bezel key information via RS-422 and provides detailed maintenance information via RS-232 interface. Sophisticated RS-422 interface protocol provides flexible communication interface to Mission Computers or other airborne computers.

VMFD-810 has extended configuration options to support customer specific configurations.

Features

- 2 x Display Port 1.1A Digital Video Inputs
- Ideal Match for Mission Computer Applications
- High Resolution
- High Luminance
- Wide Viewing Angle
- Wide Dimming Range
- NVIS Class A and B compatible
- Ethernet Loading
- User Configurable Bezel Keys
- Bezel Mounted Inclinator
- Single LRU Compact design
- Easy to Integrate
- RTCA DO-254 Certifiable Hardware
- RTCA DO-178B Certifiable Software

Display Specifications

- Display Type : Color Active Matrix LCD
- Display Area : 9.7" x 7.3" (12.1" diagonal)
- Resolution : 1360 x 1024 (140 color groups per inch)
- Display Color : 16.2 million colors
- Viewing Envelope : +/- 70° horizontal
+/- 70° vertical
- Luminance Range : 0.03 fL - 300 fL
- NVIS Compatibility : MIL-STD-3009, Class A and B

Qualifications

- MIL-STD-810
- MIL-STD-461
- MIL-STD-704

Interfaces

- Communication Interfaces : RS-422, RS-232, discrete and analog interfaces
- Video : Display Port 1.1A Digital Video
- Input Power : 28 VDC

Physical Specifications

- Dimensions : 306 mm (H) x 239 mm (W) x 116 mm (D)
- Weight : < 7.25 kg