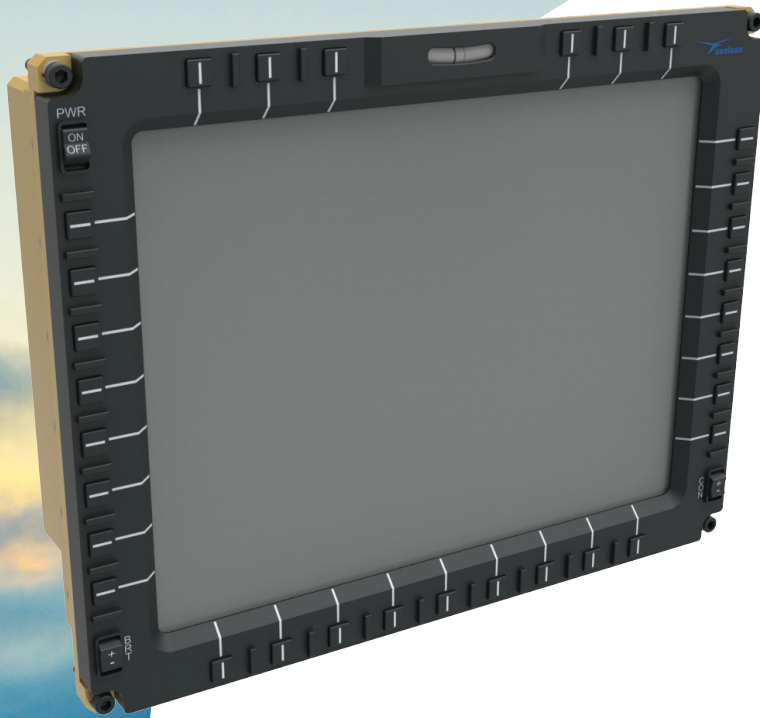


ADEN | VMFD 810

VIDEO MULTIFUNCTION DISPLAY

#Avionics



7.3" x 9.7" AMLCD ACTIVE DISPLAY AREA
1360 x 1024 RESOLUTION
WIDE VIEWING ANGLE



aselsan

ADEN | VMFD 810

VIDEO MULTIFUNCTION DISPLAY

ADEN VMFD 810 Multifunction Display is designed as 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 mission computer applications with digital video input displaying and digital input/output processing capabilities.

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

ADEN 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.

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

General Specifications

- High Resolution
- Wide Dimming Range
- Wide Viewing Angle
- NVIS Class A and B Compatible
- User Configurable Bezel Keys
- Bezel Mounted Inclinator
- Single LRU Compact Design
- Easy to Integrate
- RTCA DO-254 Certifiable Hardware
- RTCA DO-178B Certifiable Software

Interfaces

- Display Port 1.1A Digital Video Inputs
- Display Port 1.1A Digital Video Output
- Serial Interfaces (RS-422, RS-232)
- Discrete I/O Interfaces

Physical Specifications

- Dimensions : 306 mm (W) x 239 mm (H) x 116 mm (D)
- Weight : 7 ± 0.35 kg

Technical Specifications

- Power Input : 28 VDC (Nominal)
- Power Consumption : 103W (Nominal) / 222W (Maximum)
- Power Hold-Up for Short Time Power Interrupts
- Display Type : Color Active Matrix Liquid Crystal Display
- Display Area : 8" x 10"
- 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

Environmental Conditions

- Operating Temperature and Altitude : -40°C / +71°C, 20.000 ft
- Storage Temperature and Altitude : -55°C / +71°C, 50.000 ft

Qualifications

- MIL-STD-810G / DO-160E
- MIL-STD-461E
- MIL-STD-704A/F



Specifications are subject to change without any notice. | All tolerances are within ±10%.