

ADEN | CMFD 55

COLOR MULTIFUNCTION DISPLAY

#Avionics



5" x 5" AMLCD ACTIVE DISPLAY AREA
600 x 600 RESOLUTION
WIDE VIEWING ANGLE



aselsan

ADEN CMFD 55

COLOR MULTIFUNCTION DISPLAY

ADEN CMFD 55 Color Multifunction Display is designed as color flat panel display using Active Matrix Liquid Crystal Display (AMLCD) technology, with an active display area of 5 by 5 inches. It is specially designed for mission computer applications with digital video input displaying and digital input/output processing capabilities.

ADEN CMFD 55 can display Display Port 1.1A video inputs for resolution 600 by 600.

ADEN CMFD 55 also provides Display Port 1.1A video output of the displayed video for video recording applications.

ADEN CMFD 55 outputs pressed bezel key information via RS-485 and provides detailed maintenance information via RS-232 interface. Sophisticated RS-485 interface protocol provides flexible communication interface to Mission Computers or other airborne computers.

The ADEN CMFD 55 has extended configuration options to support customer specific configurations.

General Specifications

- Wide Dimming Range
- NVIS Class B Compatible
- User Configurable Bezel Keys
- Single LRU Compact Design
- Easy to Integrate
- Ideal Match for Mission Computer Applications

Interfaces

- Display Port 1.1A Digital Video Inputs
- Display Port 1.1A Digital Video Output
- Serial Interface (RS-232/RS-485)
- Discrete I/O Interface

Physical Specifications

- Dimensions : 161,7 mm (W) x 161,7 mm (H) x 111,5 mm (D)
- Weight : < 3.25 kg

Technical Specifications

- Power Input : 28 VDC (Nominal)
- Power Consumption : 75W (Nominal) / 140W (Maksimum)
- Power Hold-Up for Short Time Power Interrupts
- Display Type : Color Active Matrix Liquid Crystal Display
- Display Area : 5" x 5" (7.1" diagonal)
- Resolution : 600 x 600 (120 color groups per inch)
- Display Color : 16.2 Million Colors
- Viewing Envelope : +/- 60° Horizontal
: +/- 30° Vertical
- Luminance Range : 0.03 fL - 300 fL
- NVIS Compatibility : MIL-STD-3009, Class B

Environmental Conditions

- Operating Temperature and Altitude : -40°C / +55°C, 31.000 ft
- Storage Temperature and Altitude : -55°C / +85°C, 55.000 ft

Qualifications

- MIL-STD-810F
- MIL-STD-461E
- MIL-STD-704A



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