

CMFD-55

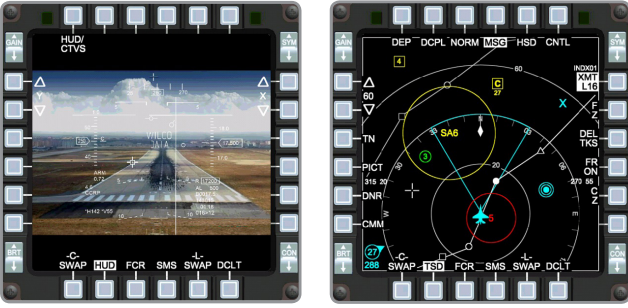
COLOR MULTIFUNCTION DISPLAY



5" x 5" AMLCD
ACTIVE DISPLAY AREA

600 x 600
RESOLUTION

WIDE
VIEWING ANGLE



CMFD-55

COLOR MULTIFUNCTION DISPLAY

CMFD-55 Color Multifunction Display is ASELSAN designed 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 airborne mission computer applications and features digital video input displaying and digital input/output processing capabilities.

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

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

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

Features

- 2 x Display Port 1.1A Digital Video Inputs
- 1 x Display Port 1.1A Digital Video Output
- Wide Dimming Range
- NVIS Class B Compatible
- User Configurable Bezel Keys
- Single LRU Compact Design
- Easy to Integrate
- Ideal Match For Mission Computer Applications

Display Specifications

- Display Type : Color Active Matrix Liquid Crystal Display
- Display Area : 5.03" x 5.03" (7.1" diagonal)
- Resolution : 600 x 600 (120 color groups per inch)
- Display Color : 16.2 million colors
- Viewing Envelope : +/- 60° horizontal
: +/- 40° vertical
- Luminance Range : 0.03 fL - 300 fL
- NVIS Compatibility : MIL-STD-3009, Class B

Interfaces

- Com.Interfaces : RS-485, RS-232 and discrete interfaces
- Video : Display Port 1.1A Digital Video
- Input Power : 28 VDC

Qualifications

- MIL-STD-810
- MIL-STD-461
- MIL-STD-704
- Compliant to fighter jet environmental qualification conditions

Physical Specifications

- Dimensions : 161.7 mm (H) x 161.7 mm(W) x 111.5 mm (D)
- Weight : < 3.25 kg