

MFD-2820T

LARGE AREA DISPLAY

8" x 20" AMLCD ACTIVE DISPLAY AREA
RIGHT AND LEFT DUAL REDUNDANT TOUCH SCREEN DISPLAY
COMPACT DESIGN





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MFD-2820T Large Area Display is a Multifunctional Display, which features video input displaying. MFD-2820T, which incorporates resistive touch screen and 8"x20" inches AMLCD display, is designed by Aselsan in order to operate compatible with flight and mission computers.

MFD-2820T has capability to perform video overlays onto a dual redundant, separately addressable, two left and right 1280x1024 resolution half displays via one 2560x1024 resolution AMLCD. In addition, MFD-2820T has capability to display video that has 2560x1024 resolution.

Dual redundant, separately addressable, two left and right 1280x1024 resolution half displays prevent loss of both displays due to the single point failures.

MFD-2820T provides ease of use to operator in all conditions with high brightness, high contrast ratio, low reflection, NVIS compatibility and touch screen that are prominent features.

General Specifications

- Redundant 2 Side Display
- Touch Screen Interface
- High Resolution
- Wide Dimming Range
- Wide Viewing Angle
- NVIS Class B Compatible
- Single LRU Compact Design
- Easy to Integrate

Interfaces

- Display Port 1.1A Digital Video Inputs
- Display Port 1.1A Digital Video Output
- Serial Interfaces (RS-232/RS-422/RS-485)
- Discrete I/O Interface

Physical Specifications

- Dimensions : 277,1 mm (W) x 570,7 mm (H) x 120 mm (D)
- Weight : < 12 kg

Technical Specifications

- Power Input : 28 VDC (Nominal)
- Power Consumption: 100W (Nominal) / 180W (Maximum)
- Power hold-up for short time power interrupts
- Display Type : Color Active Matrix Liquid Crystal Display
- Display Area : 8" x 20" (2 x 8" x 20")
- Resolution : 2 x 1280 x 1024
- Display Color : 16.2 million colors
- Viewing Envelope : +/- 70° horizontal
: +/- 70° vertical
- Luminance Range : 0.03 fL - 240 fL
- NVIS Compatibility : MIL-STD-3009, Class B

Environmental Conditions

- Operating Temperature and Altitude: -40°C / +71°C, 20.000 ft
- Storage Temperature and Altitude: -55°C / +85°C

Qualifications

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

