

# LAD-820

## LARGE AREA DISPLAY

RIGHT AND LEFT DUAL REDUNDANT  
TOUCH SCREEN DISPLAY

COMPACT  
DESIGN





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## LARGE AREA DISPLAY

Large Area Display (LAD-820) is a Multifunctional Display, which features video input displaying. LAD-820, 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.

LAD 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, LAD-820 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.

LAD-820 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.

### LAD -820 Large Area Display

#### General

- Display Port 1.1A Digital Video Inputs
- Redundant 2 Side Display
- Touch-screen Interface
- High Resolution
- Wide Dimming Range
- Wide Viewing Angle
- NVIS Class A and B Compatible
- Compact Design
- Easy to Integrate

#### Display

- Display Type : Color Active Matrix Liquid Crystal Display
- Display Area : 8" x 20" (2x8"x10")
- Resolution : 2x1280x1024
- Display Color: 16.2 million colors
- Viewing Envelope : +40°/-40° horizontal, +30°/-15° vertical
- Luminance Range : 0.03 fL - 240 fL
- NVIS Compatibility : MIL-STD-3009, Class B

#### Physical

- Dimensions : 277.1 mm(H) x 570.7 mm(W) x 120 mm(D)
- Weight : < 12 kg.

#### Functional

- Interfaces : RS-422
- Video : 2 x Display Port 1.1A Digital Video
- Input Power : 28 VDC
- Power Consumption: 100W (Nominal) / 180W (Max)

#### Environmental Features

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

