

# Display Systems

## ACTIVIEW 640

5.1" x 3.8" ACTIVE MATRIX LCD



### KEY FEATURES

- High resolution 125 CGPI, 6-BIT color display.
- Hemispherical, high contrast  $\pm 60^\circ$  viewing angle.
- Luminance range from 0.03 to 280+ fL w/NVIS option.
- Meets 4x5 and 5 ATI installation standards.
- Multiple video, analog, discrete, synchro, resolver, bus interface options.
- Meets Full-Mil and D0160D environments.
- Various EFIS, MFD, and Video bezel options.



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### 5.1" x 3.8" ACTIVE MATRIX LCD

#### OPTICAL PERFORMANCE

- Viewable Area: 5.1" x 3.8"
- Addressability: Flexible Autoscaling
- Resolution: 125 RGB CGPI
- Gray Levels: 64 Gray Shades
- Luminance: 0.03 fL to 280+ fL
- Viewing Angles:  $\pm 60^\circ$  H/V
- Contrast Ratio: Greater than 8:1 over entire viewing cone
- NVIS: Gen. III, Type I/II, Class A/B

#### FUNCTIONAL DESCRIPTION

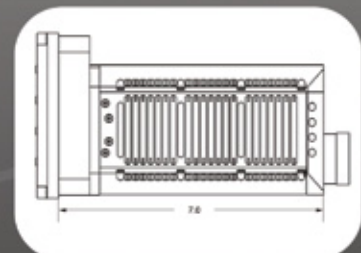
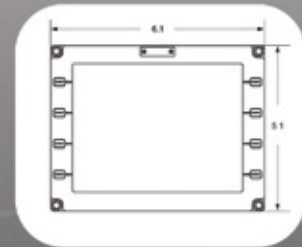
- Video Interface
  - RS-170/RGB-G
  - RS-343 (875 line) Digital
- Signal Interfaces
  - ARINC 429/419/575 (6/2) or MIL-STD-1553B
  - ARINC 453/708A (2)
  - ARINC 561/568 (2)
  - RS-232/422/485 (2)
  - Discretes 30/8 (Configurable)
  - Analogs (40/7)

#### PHYSICAL DESCRIPTION

- Dimensions: 6.1" w x 5.1" h x 7" d standard. Overall size tailored to specific applications
- Weight: Nominal 7.0 lbs.
- Cooling: Internal Fan
- Primary Power: 28 VDC, 5v Bezel 56 Watts Maximum
- Mounting: Adaptable
- Bezel Configuration EFIS, MFD, Custom Landscape/Portrait

#### ENVIRONMENTAL PERFORMANCE

- Temperature:
  - Operating:  $-54^\circ\text{C}$  to  $+71^\circ\text{C}$
  - Storage:  $-57^\circ\text{C}$  to  $+85^\circ\text{C}$
- Shock: 15G op, 30G CS
- Vibration: 514.4 Cat4, Pri MIL-STD-810C
- Altitude: 70,000 ft.
- Reliability: 7,000 Hours MTBF
- EMI/EMC: MIL-STD 461/463



#### DISPLAY SYSTEMS

1355 Bluegrass Lakes Parkway

Alpharetta, GA 30004-7700

770.752.7000

Fax: 770.752.5481

[www.L-3Com.com/Displays](http://www.L-3Com.com/Displays)



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