

ACTIVIEW 500

4"X3" ACTIVE MATRIX LCDs

The Actiview 500 5-inch viewable display, is part of the Superset™ Product Family of smart displays that utilize a modular common avionics concept and a "flashlight" approach for the display heads that allow over five (5) display sizes to be used with common, multi-interface avionic electronics hosting flexible modular software.



Left: Communication Navigation Radio Panel (CNRP)
Right: Single Avionics Management Unit (SAMU)

KEY FEATURES

- High-Resolution 120 CGPI, 8-Bit Color Display
- Hemispherical, High-Contrast $\pm 60^\circ$ Viewing Angle
- Luminance Range from 0.03 to 100+ fL with NVIS
- Meets 4x5 ATI Installation Standards
- Multiple Video, Analog, Discrete, Synchro, Resolver, Bus Interface Options
- Meets Full MIL and D0-160D Environments
- Various EFIS, MFD, and Video Bezel Options



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OPTICAL PERFORMANCE

Viewable Area	4" (w) x 3" (h); 5" diagonal
Addressability	Flexible Autoscaling
Resolution	500 x 380; 120 RGB CGPI
Gray Levels	256 Gray Shades
Luminance	0.03 fL to 100+ fL
Viewing Angles	±60° Horizontal, ±20° Vertical
Contrast Ratio	>8:1 Over Entire Viewing Cone
NVIS	Gen. III, Type I/II, Class A/B

PHYSICAL DESCRIPTION

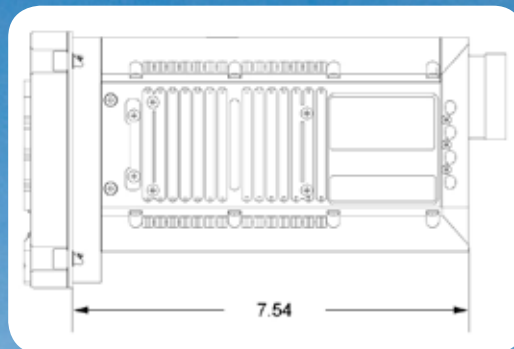
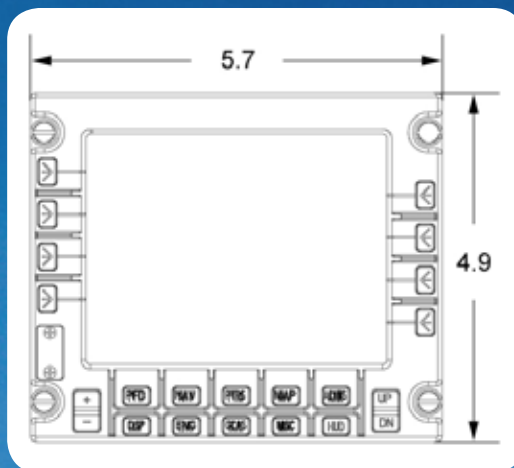
Dimensions	4 x 5 ATI Chassis
Weight	Nominal 7.0 lbs.
Cooling	Internal Fan
Primary Power	28 VDC, 5v Bezel, 56 Watts
Mounting	Adaptable
Bezel Configuration	EFIS, MFD, Custom

FUNCTIONAL DESCRIPTION

Signal Interfaces	MIL-STD-1553 (Standard) ARINC 429/419/575 (Optional) ARINC 453/708A (2) (Optional) ARINC 561/568 (2) (Optional) RS-232/422/485 (2) (Optional) Discretes 30/8 (Configurable) (Optional) Analog 40/7 (Optional)
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ENVIRONMENTAL PERFORMANCE

Temperature	Operating: -35°C to +71°C Storage: -57°C to +85°C
Shock	15G op., 30G CS
Vibration	Method 514.4 Cat4, Prl, MIL-STD-810
Altitude	50,000 ft.
Reliability	6,000 Hours MTBF
EMI/EMC	MIL-STD-461/463



Display Systems

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communications
Display Systems

L-3. Headquartered in New York City, L-3 Communications is a prime contractor in aircraft modernization and maintenance, C³ISR (Command, Control, Communications, Intelligence, Surveillance and Reconnaissance) systems and government services. L-3 is also a leading provider of high technology products, subsystems and systems.