

4" x 3" Active Matrix Liquid Crystal Display



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.

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 DO-160D environments
- Various EFIS, MFD, and video bezel options

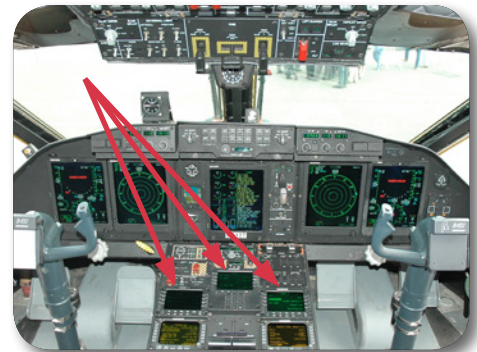




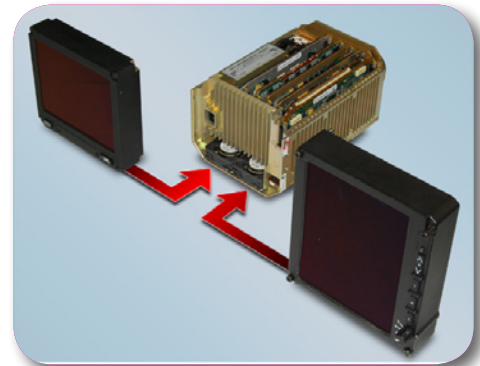
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SPECIFICATIONS

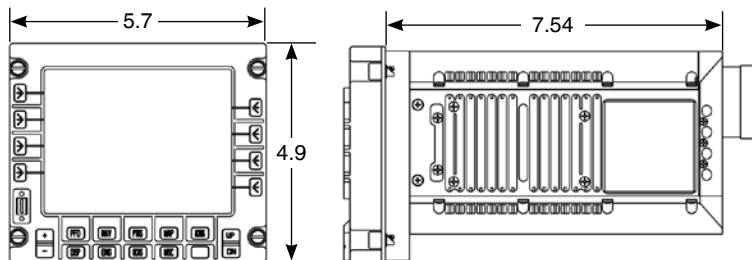
OPTICAL PERFORMANCE	
Viewable Area	4.0"(w) x 3.0"(h); 5.0" diagonal
Addressability	Flexible autoscaling
Resolution	500 x 380; 120 RGB CGPI
Gray Levels	256 gray shades
Luminance	0.03 fL to 100+ fL
Viewing Angles	±60° horizontal, ±20° vertical
Contrast Ratio	>8:1 over entire viewing cone
NVIS	Gen. III, Type I/II, Class A/B
PHYSICAL DESCRIPTION	
Dimensions	4 x 5 ATI chassis
Weight	Nominal 7.0 lbs
Cooling	Internal fan
Primary Power	28VDC, 5VAC Bezel, 56 watts max.
Mounting	Adaptable
Bezel Configuration	EFIS, MFD, Custom
FUNCTIONAL DESCRIPTION	
Signal Interfaces	Standard: MIL-STD-1553 Optional: ARINC 429/419/575, ARINC 453/708A (2), ARINC 561/568 (2), RS-232/422/485 (2), discretes, analogs
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



Actiview 500s installed in the C-27J cockpit



SuperSet OSA electronic modules can be mated to multiple AMLCD display sizes for ultimate flexibility



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