

# Display Systems

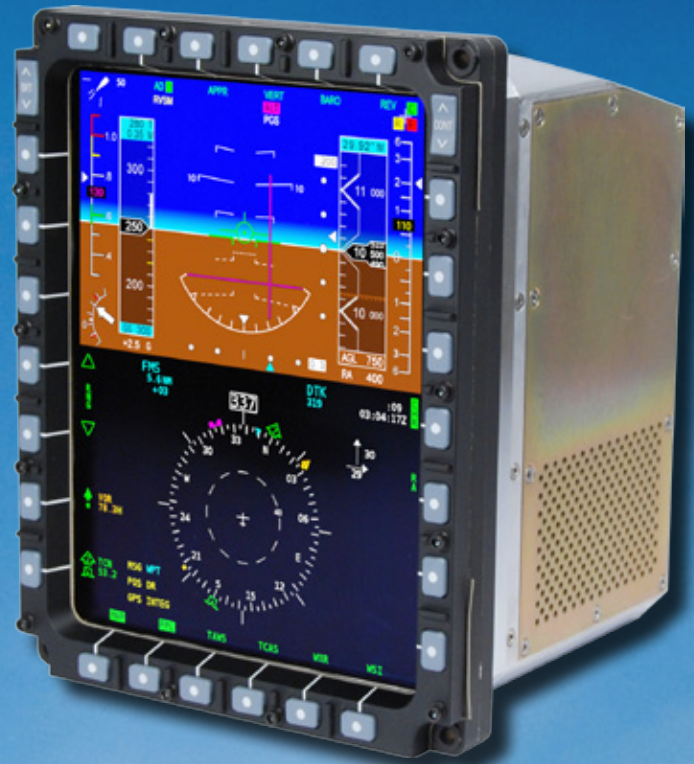
## SUPERSET™ OSA 840P

### OPEN SYSTEM ARCHITECTURE (OSA) DISPLAY SYSTEM

The SuperSet™ Open System Architecture (OSA) 840P AMLCD display is an "off-the-shelf" solution providing unmatched flexibility and interchangeability for airborne military platforms. The SuperSet™ OSA 840P system allows for greater integration capability with today's advanced mission systems.

#### KEY FEATURES

- Open Architecture Design
  - Power PC processing and Graphics/Video Processing
  - Green Hills Real-Time Operating System
  - OpenGL ES-SC Graphics
- Eliminates Federated Boxes through Embedded Processing
- Unmatched Situational and Information Awareness
- Weight, Power Savings and Reliability/LCC Improvement
- Time & Space Software Partitioning



## SUPERSET™ OSA 840P

### OPEN SYSTEM ARCHITECTURE (OSA) DISPLAY SYSTEM

#### OPTICAL PERFORMANCE

Viewable Area	7.0" (h) x 5.0 (w); 8.4" diagonal
Addressability	Flexible Autoscaling
Resolution	600x800 (SVGA)
Gray Levels	64 Gray Shades/Color
Luminance	0.03 fL to 200 fL (250 fL Over Center Viewing Area)
Viewing Angles	±40° Horizontal, +40° Vertical
Day Contrast Ratio	>6:1 Over Entire Viewing Cone
NVIS	Type II, Class B Compatible

#### PHYSICAL DESCRIPTION

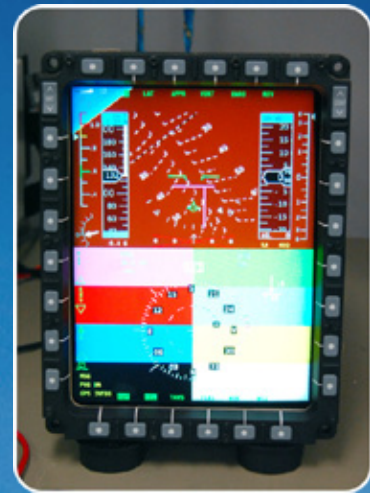
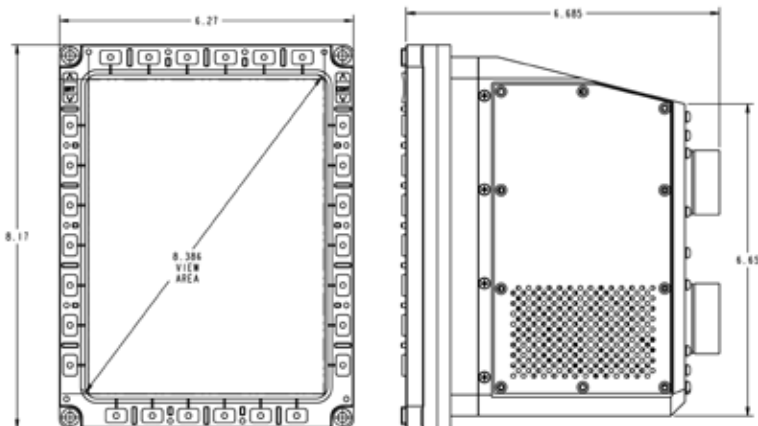
Dimensions	8.1" (h) x 6.3" (w) x 6.7" (d)
Weight	Nominal 9.0 lbs.
Cooling	Internal Fans
Primary Power	28 VDC, 5v Bezel, 100 Watts Maximum (Heater)
Bezel Configuration	EFIS, MFD, Custom

#### FUNCTIONAL DESCRIPTION

Video Interface	In: LVDS, RS-170, RGB Out: LVDS, Y-C
Signal Interfaces	MIL-STD-1553B (2), Ethernet (2), RS-232/422 (2)

#### ENVIRONMENTAL PERFORMANCE

Temperature	Operating: -54°C to +71°C Storage: -57°C to +95°C
Vibration	MIL-STD-810, Method 514
Altitude	15.5 to 2.72 PSIA (Normal)
Reliability	7,000 Hours MTBF
EMI/EMC	MIL-STD-461



The SuperSet OSA 840 with Video/ Graphics

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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, C<sup>3</sup>ISR (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.