



ORION 15PT HIGH-PERFORMANCE PANEL MOUNT DISPLAY

Compact and tough, the Orion 15PT panel mount display is specifically designed for system integration into shipboard, airborne and rugged field applications. Constructed of lightweight, powder coated aircraft aluminium, the Orion 15PT provides crystal clear resolution and rock solid performance to a broad range of applications including control interfacing, C4ISR consoles, and imaging systems.

The Orion 15PT can be used as a standard panel mount display or, with the addition of an optional SAW touch screen, configured to be a stand-alone Human Mechanical Interface (HMI); Eliminating the need for a mouse or keyboard.

Highlights

- 15" active display area
- Active matrix color
- High resolution 1024 x 768
- Optional SAW Touchscreen
- Rugged design for severe shipboard environments
- Integrates with any work station, PC or X Terminal
- Up to 150 degree viewing angle
- Rear control buttons
- Applications include:
 - Shipboard/Marine, Vehicle

SPECIFICATIONS

Orion 15PT Display

LCD Panel

Size:	15"
Native Pixels:	1024 x 768
Color Palette:	16.7 million
Viewing Angle:	Left/right +/-75°
Controls:	Operator Control Panel
Options:	EMI Performance

Power

Power Supply:	12 VDC 3 AMPS TYP
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Cabling

Display:	Standard VGA high-density 15-pin DSUB 6' cable
Power Cable:	9-pin male DSUB
RS232 Cable:	6' 9-pin female DSUB

Physical

Size:	12.87"H x 15.68"W x 3.0"D
Weight:	Approximately 22 lbs.

Environmental

Operating Temp:	0° to + 50° Celsius
Extended Op Temp**:	-20° to + 50° Celsius
Non-op Temp:	-40° to + 70° Celsius
Humidity:	5% to 95% Non condensing (Design Goal)
Non-op Altitude:	Up to 40,000 ft. (Design Goal)
Operating Altitude:	Up to 15,000 ft. (Design Goal)
Vibration:	MIL-STD-167
Shock:	MIL-STD 810E (Method 516), 30g's
Fungus:	Non Nutrients/contaminants

Reliability

MTBF:	20,000 Hrs with Backlight change at 10,000 Hrs. Ground fixed environmental IAW MIL-HDBK-217F calculation technique
Maintainability:	<30 minutes

Regulatory

Safety:	UL60950 (used as a guideline)
EMC/RFI:	MIL-STD-461E, RE101 (Army Limits), RE102,

Quality/Workmanship

IPC / ISO 9001:2000 and applicable section of MIL-HDBK-454

*Environments listed as Design Goals have not been tested.

