Esterline

Control & Communication Systems

HD-30

High-resolution, wide-screen rugged display

Esterline's HD-30 is a wide-screen rugged display that is ideal for use inside mobile shelter or naval environments. With its 30-inch size, the HD-30 makes the biggest single-operator display that is still ergonomically efficient.

The HD-30 delivers bright and crisp graphics and video and allows you to perform accurate mission planning and present digital maps in their native resolution. The HD-30 uses highly accurate Infrared technology to support dual touch gestures (zoom, rotate...) and allows interaction with finger tips, gloves or stylus.

Next-generation technologies

The new generation features power-efficient LED backlights, highly accurate Infrared technology and ultra-fast image rendering. Its energy-efficient LED backlights produce less heat and ensure minimal power consumption while the fan-less and fully sealed (IP64) design ensures noiseless operation to improve operator comfort..

Designed for use in mission-critical environments

With its fast LCD response time (ca. 12 ms), the HD-30 renders fast-moving images with vivid accuracy. The wide viewing angle (178°) offers optimum viewing comfort when multiple viewers are involved. Esterline's HD-30 display is fully MIL-qualified in terms of vibration, shock and EMI/EMC, so it easily withstands the harsh environmental conditions of a typical mobile shelter or naval environment.

Product specifications

Product specifications	HD-30
Backlight	LED
Panel size	30'
Resolution	2560x1600 (WQXGA)
Brightness	Typical 250cd/m² (73fL)
Contrast ratio	1000:1
Dimming ratio	100:1
Response time	ca. 12 ms
Vibration	Shelter: MIL-STD-810F meth 514.5 Notice 3, Proc
Shock	MIL-STD-810F meth 516.5 | 20g - 18ms half sine
Operational temperature	MIL-STD-810F: Low temp: -32°C - High temp: +49°C
Storage temperature	MIL-STD-810F: Low temp: -45°C High temp: +71°C
Humidity	MIL-STD-810F: Max. 95% @ 3060°C
Altitude	10,000 ft operational
EMC / IEC	MIL-STD-461E (ground army)
Drip proof	IP64
Sand & dust, salt fog	Compliant at unit level MIL-STD-810F
Signal inputs	2560x1600x60Hz dual link DVI (MIL-C-38999 serie III)
USB	MIL-C-38999 series III
Power	MIL-C-38999 series III
Controls	UP / DOWN / SEL / QUIT / STANDBY in conjunction with OSD
Indicators	Green power LED, Red fault LED
Touch screen	Infrared dual touch (allows for gestures)
Power Supply	18-32V DC
Power consumption	85W typical, 230W max (with heater)
Weight	18.5 kg (39.7 lbs)
Finishing	Bezel color Black RAL9005, Chassis ALODINE 1200 or 1500
MTTR	Less than 30 minutes
Approvals and compliance	European CE: EN60950-1; EU RoHS, EU REACH

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