



Solutions for Demanding Applications

12.1" Xtreme Rugged Military Grade Panel Mount

The NEMA 4 (IP65) rated rugged LCD flat panel is adaptable to extreme environments. The display has the ability to withstand harsh ambient environments, has enhanced shock and vibration safeguards as well as Electromagnetic Environmental Interference protection. The VT121PX comes standard with optically bonded chemically strengthened front protective glass for added Shock & Vibration protection and reduced solar reflectivity.



FEATURES

- ◆ Bright TFT Display
- ◆ Optically chemically strengthened front protective glass with optional EMI coating
- ◆ Manual Full-Range Dimming to black
- ◆ Conformal Coating of all internal circuit boards
- ◆ Integrated heaters for extended operational temperature capabilities
- ◆ Front or Rear Controls
- ◆ Optional Touch
- ◆ NTSC/PAL
- ◆ HD15(F)
- ◆ Sync On Green

*Supports all VESA standard video formats

CONTACT

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SPECIFICATIONS

<p>Display Size 12.1 Inch</p> <p>Panel Type TFT Active</p> <p>Resolution Capabilities VGA to XGA*</p> <p>Pixel Format 640 x 480, 800 x 600, 1024 x 768*</p> <p>Pixel Pitch .240mm (w) x .240mm (h)</p> <p>Active Display Area 9.676" (w) x 7.257" (h) 245.76mm (w) x 184.32 (h)</p> <p>Viewing Angle Left / Right: 65°/65° Up / Down: 75°/45°</p> <p>Contrast Ratio 550:1 Typical</p> <p>Brightness 320 Nits (cd/m2) Typical, with full-range manual dimming Optional: 1000 Nits Typical</p> <p>Back Light 50,000 Hours Half Life</p> <p>Colors Supported 262,144 (6 bit)</p> <p>Input Connector HD15(F), RCA, Mini Din</p> <p>Video Input 0.7V p-p / 75 ohm, Digital, NTSC/PAL</p> <p>Sync TTL Separate H&V, Combined, SOG</p> <p>Power Source Connector: Amphenol, Bayonet Mating, Meets MIL-C-5015 12VDC @ 1.55A Optional: 90-264VAC Universal 24VDC @ 0.50A 18-30VDC</p> <p>Power Consumption 20 Watts 4 Watts Sleep Mode</p> <p>Temperature Operating: -20°C to 50°C (-4° to 122°F) (Optional Operating: -40°C/-40°F , 55°C/131°F) Storage: -20°C to 60°C (-4° to 140°F)</p> <p>Humidity Operating: 10 to 95%NC</p>	<p>Storage: 10 to 95%NC</p> <p>EMI FCC Part 15 - Class B* Optional: MIL-STD-461E*</p> <p>Shock MIL-STD-901D*</p> <p>Vibration MIL-STD-167*</p> <p>Drip Proof MIL-STD-810E*</p> <p>Sand Dust MIL-STD-810E*</p> <p>Altitude Operating: up to 10,000 ft Storage: up to 40,000 ft</p> <p>Dimensions 15.0" (w) x 12.5" (h) 381mm x 317.5mm</p> <p>Cut Out Dimensions 13.7" (w) x 11.25" (h) 347.98mm x 285.75mm</p> <p>Weight 10 lbs / 4.55 kg</p> <p>Rear Chassis Construction 16 Gauge Stainless Steel</p> <p>Bezel Finish Black Powder Coat Finish Aluminum Bezel Optional: NEMA 4X (IP66) Stainless Steel</p> <p>Touch Screen Optional: Resistive</p> <p>Touch Interface Serial</p>
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*Designed to Meet

Marks of Conformity:

FCC47 CFR part 15, subpart B
EMC: EN 55022:2006, EN 55024:1998, CISPR 22:2005, CISPR 24:1997
Canada: ICES-003
Australia/New Zealand: AS/NZS CISPR 22
CE
RoHS
WEEE



OPTIONS

- Resistive or Capacitive Touch
- Stainless Steel NEMA 4X (IP66) Front Panel
- 90-264VAC Universal
- 24VDC @ 0.50A
- Automatic Dimming Sensor
- EMI/RFI conductive ITO coating to of 12 ohms/sq. bonded front protective glass
- Transparent EMI/RFI Micro Mesh for MIL-STD 461E Compliance
- Transparent Heaters for -40C/-40F Operation
- Frontal Handles