



12.1" Xtreme Rugged Military Grade VESA Mount



The VESA mount 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.

The VT121WX comes standard with optically bonded chemically strengthened front protective glass for added Shock & Vibration protection and reduced solar reflectivity.

SPECIFICATIONS

FEATURES

- ◆ Bright TFT Display
- ◆ Optically bonded chemically strengthened front protective glass
- ◆ 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

- Display Size**
12.1 Inch
- Panel Type**
TFT Active
- Resolution Capabilities**
VGA to XGA*
- Pixel Format**
640 x 480, 800 x 600, 1024 x 768*
- Pixel Pitch**
.240mm (w) x .240mm (h)
- Active Display Area**
9.676"(w) x 7.257"(h)
245.76mm(w) x 184.32(h)
- Viewing Angle**
Left / Right: 65°/65°
Up / Down: 75°/45°
- Contrast Ratio**
550:1 Typical
- Brightness**
320 Nits Typical, with full-range manual dimming
Optional: Actively enhanced panel for readability in high ambient light conditions
- Back Light**
50,000 Hours Half Life
- Colors Supported**
262,144 (6 bit)
- Input Connector**
HD15(F), RCA, Mini Din
- Video Input**
0.7V p-p / 75 ohm, Digital, NTSC/PAL
- Sync**
TTL Separate H&V, Combined, SOG
- Power Source**
Connector: Amphenol, Bayonet Mating, Meets MIL-C-5015
12VDC @ 1.55A
Optional:
90-264VAC Universal
+24VDC
18-30VDC
- Power Consumption**
20 Watts
4 Watts Sleep Mode
- Temperature**
Operating: -20 to 50°C
(Optional Operating: -40° C, +55°C)
Storage: -20 to 60°C

- Humidity**
Operating: 10 to 95%NC
Storage: 10 to 95%NC
- Shock**
MIL-STD-901D*
- Vibration**
MIL-STD-167*
- Drip Proof**
MIL-STD-810E*
- Sand Dust**
MIL-STD-810E*
- Altitude**
Operating: up to 10,000 ft
Storage: up to 40,000 ft
- Dimensions**
12.375" (w) x 9.874" (h)
314.3mm x 250.8mm
- Depth**
2.310" / 58.7mm
- Rear Chassis Construction**
16 Gauge Stainless Steel
- Bezel Finish**
Black Powder Coat Finish
Aluminum Bezel
- Touch Screen**
Optional:
Resistive or Capacitive
- Touch Interface**
Serial
Optional:
USB

* Designed to Meet

CONTACT

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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

- Fully Enclosed Housing (coming soon)
- Transparent Heaters for -40C Operation
- Resistive or Capacitive Touch
- 90-264VAC Universal
- 24VDC @ 0.50A
- Stainless Steel
- Automatic Dimming Sensor
- Rear tactile OSD controls