



12.1" Xtreme Rugged Military Grade Rack Mount



The rack 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 as well as Electromagnetic Environmental Interference protection.

The VT121RX 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 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

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 reliability 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 @ 0.50A
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

EMI
FCC Part 15 - Class B*
Optional: MIL-STD-461E*

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
18.984" (w) x 10.468" (h)
482.2mm x 265.9mm

Depth
2.125" / 54.0mm nominal

Rear Chassis Construction
16 gauge Stainless Steel

Bezel Finish
Black Powder Coat Finish
Aluminum Bezel

Touch Screen
Optional:
Resistive

Touch Interface
Serial
Optional:
USB

Weight
11.2 lbs/ 5.09 kg

* 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

- 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 Operation
- Frontal Handles
- Resistive or Capacitive Touch
- 90-264VAC Universal
- 24VDC @ 0.50A
- Stainless Steel
- Automatic Dimming Sensor

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