



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

HEADQUARTERS

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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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