



## 10.4" Xtreme Rugged Military Grade Rack Mount



The 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 VT104RX 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

#### 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



#### Display Size

10.4 Inch

#### Panel Type

TFT Active

#### Resolution Capabilities

SVGA

#### Pixel Format

800 x 600

#### Pixel Pitch

.264mm(w) x .264mm (h)

#### Active Display Area

8.315"(w) x 6.236" (h)  
211.2mm(w) x 158.4mm(h)

#### Viewing Angle

Left / Right: 70°/70°  
Up / Down: 50°/60°

#### Contrast Ratio

500:1 Typical

#### Brightness

400 Nits Typical, with full-range manual dimming  
**Optional:** Actively enhanced panel for reliability in high ambient light conditions

#### Backlight

50,000 Hours Typical

#### Colors Supported

262,144 (optional 16.7M)

#### Input Connectors

HD15(F), RCA (NTSC/PAL),  
5 Pin Mini Din (S-Video)

#### Optional:

HD15(M) to 5xBNC(F)  
Interface Cable

#### Video Input

Analog 0.7V p-p/75 ohm,  
NTSC/PAL

#### Sync

TTL Separate H/V  
Combined, SOG

#### Power Source

**Connector: Amphenol, Bayonet Mating,  
Meets MIL-C-5015**

12VDC @ 1.6A

#### Optional:

90-264VAC Universal

24VDC @ 0.50A

18-30VDC

#### Power Consumption

20Watts @+12V  
4Watts 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

#### Rear Chassis Construction

16 gauge Stainless Steel

#### Bezel Finish

Black Powder Coat Finish  
Aluminum Bezel

#### Optional:

NEMA 4X Stainless Steel

#### Touchscreen

**Optional:**  
Resistive

#### Touch Interface

Serial  
**Optional:**  
USB

\* Designed to Meet

### CONTACT

#### HEADQUARTERS

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## OPTIONS

- 90-264 VAC Universal Power Supply
- 24VDC @ 0.50A
- HD15 to 5BNC Interface Cable
- Resistive or Capacitive Touch
- Transparent Heaters for -40°C Operation
- 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
- 90-264 VAC Universal Power Supply
- HD15 to 5BNC Interface Cable
- Resistive or Capacitive Touch
- Stainless Steel
- Automatic Dimming Sensor
- Frontal Handles
- Armor Touch