



Solutions for Demanding Applications

10.4" Xtreme Rugged Military Grade Panel Mount



The NEMA 4 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 VT104PX 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 (cd/m2) Typical, with full-range manual dimming
Optional: Actively enhanced panel for reliability in high ambient light conditions

Back Light

50,000 Hours Typical

Colors Supported

16.7M

Input Connectors

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

Optional:

HD15(M) to 5xBNC Interface Cable

Video Input

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

Sync

Separate H&V,
Combined, SOG

Power Source

**Connector: Amphenol, Bayonet Mating,
Meets MIL-C-5015
+12VDC**

Optional:

90-264VAC Power Supply
24VDC @ 0.50A
18-30VDC

Power Consumption

20 Watts@ 1.6A
4 Watts Sleep Mode

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)

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*

Humidity

Operating: 10 to 95%NC
Storage: 10 to 95%NC

Altitude

Operating: up to 10,000 ft
Storage: up to 40,000 ft

Stud Size & Screw Length

10-32 x 1/2"

Dimensions

13.2"(w) x 11.2"(h)
335.3mm x 284.5mm

Cut Out Dimensions

12.086"(w) x 10.083"(h)
307.0mm x 255.6mm

Depth

2.063" / 52.4mm

Bezel Finish

NEMA 4 (IP65):
Black Powder Coat Finish
Aluminum Bezel

Optional NEMA 4X (IP66):
Stainless Steel

Touchscreen

Optional:
Resistive

Touch Interface

Serial
Optional:
USB

Weight

Unit: 9.4 lbs/ 4.27 kg
Shipping Weight: 11 lbs / 5.0 kg

**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
- Armor Touch
- Stainless Steel NEMA 4X (IP66) Front Panel
- Transparent Heaters for -40°C Operation
- 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
- Frontal Handles