



20.1" NEMA 4X Military Grade Panel Mount



The NEMA 4X 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 VT201PSSX 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
- ◆ Picture in Picture
- ◆ Conformal Coating of all internal circuit boards
- ◆ Integrated heaters for extended operational temperature capabilities
- ◆ Front or Rear Controls
- ◆ HD15(F), DVI-D Pin, RCA, Mini-Din
- ◆ Optional Touch Systems: Resistive and Capacitive
- ◆ VGA to UXGA Resolution
- ◆ 1600 x 1200 Max. Resolution
- ◆ Picture in Picture

*Supports all VESA standard video formats

CONTACT

HEADQUARTERS

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Display Size

20.1 Inch

Panel Type

TFT Active

Resolution

VGA to UXGA*

Pixel Format

640 x 480, 800 x 600, 1024 x 768
1280 x 1024, 1600 x 1200*

Pixel Pitch

.255mm (w) x .255mm (h)

Viewing Angle

Left / Right: 178°/178°
Up / Down: 178°/178°

Active Display Area

16.090" (w) x 12.088" (h)
408.69mm x 307.04mm

Picture in Picture

Small Window: 3.6" (w) x 2.9" (h)
Med Window: 5.0" (w) x 4.9" (h)
Large Window: 6.5" (w) x 5.0" (h)

Contrast Ratio

800:1

Brightness

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

Colors Supported

16.8M

Backlight

50,000 Hrs Typical

Video Input

0.7Vp-p / 75 ohm Digital

Sync

TTL Separate H&V,
Combined, SOG

Input Connectors

HD15(F), DVI-D,
(NTSC / PAL)
5 PIN MINI—DIN (S-Video)

Optional:

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

Power Source

Connector: Amphenol, Bayonet Mating,

Meets MIL-C-5015

12VDC or 24VDC

Optional:

90-264VAC Universal
18-30VDC

Power Consumption

50 Watts @115VAC
8 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

Bezel Outside Dimension

20.466" (w) x 16.464" (h)
519.84mm(w) x 418.19mm(h)

Cut Out Dimension

19.130" (w) x 15.130" (h)
485.90mm(w) x 384.3mm(h)

Depth Behind Panel

3.438" / 87.33mm

Stud Size & Screw Length

10-32 x 1/2"

Chassis Construction

18 gauge Stainless Steel

Bezel Finish

NEMA 4X: Stainless Steel

Touchscreen

Optional:
Resistive or Capacitive

Touch Interface

Serial
Optional:
USB

*Designed to Meet

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
- Capacitive or Resistive Touch
- HD15 to 5NC adapter cable
- Automatic Dimming Sensor