



## 21.3" Xtreme 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 VT213PSSX comes standard with optically bonded chemically strengthened front protective glass for added Shock & Vibration protection and reduced solar reflectivity.

### SPECIFICATIONS

#### FEATURES

- ◆ Optically bonded chemically strengthened front protective glass with optional EMI coating
- ◆ Manual Full-Range Dimming
- ◆ Conformal Coating of all internal circuit boards
- ◆ Integrated heaters for extended operational temperature capabilities
- ◆ Front or Rear Controls
- ◆ Picture in Picture

#### 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



\*Supports all VESA standard video formats

#### CONTACT

##### HEADQUARTERS

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#### Display Size

21.3 Inch

#### Panel Type

TFT Active

#### Resolution Capabilities

VGA to UXGA\*

#### Pixel Format

640x480, 800x600, 1024x768,  
1280 x 1024, 1600 x 1200\*

#### Pixel Pitch

.270 mm (w) x .270mm (h)

#### Viewing Angle

Left / Right: 89°/89°  
Up / Down: 89°/89°

#### Active Display Area

17.008" (w) x 12.756" (h)  
432.00mm x 324.00mm

#### 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

#### Backlight

50,000 hrs. Typical

#### Colors Displayed

16.8M

#### Video Input

0.7v p-p, /75 ohm digital

#### Sync

TTL Separate H&V,  
Combined SOG

#### Input Connectors

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

#### Optional:

HD15 to 5BNC Adapter

#### Power Source

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

12VDC

#### Optional:

90-264VAC Universal  
24VDC  
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

#### Outside Dimension

21.500" (w) x 18.294" (h)  
546.1mm x 464.7mm

#### Cut Out Dimension

20.360" (w) x 17.154" (h)  
517.1mm x 435.7mm

#### Depth Behind Panel

3.498" / 88.8mm

#### Stud Size & Screw Length

10-32 x 1/2"

#### Chassis Construction

16 gauge Stainless Steel

#### Bezel Finish

NEMA 4X Stainless Steel

#### Touchscreen

#### Optional:

Resistive or Capacitive

#### Touch Interface

Serial

#### Optional:

USB

#### Weight

33.6 lbs/ 15.27 kg

\*Designed to Meet

### OPTIONS

- Capacitive Touch
- Resistive Touch
- HD15 to 5BNC Cable
- 12VDC or 24VDC
- 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
- Transparent Heaters for -40C Operation