



12.1" 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 VT121PSSX 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
- ◆ NEMA 4X Stainless Steel Bezel

*Supports all VESA standard video formats

CONTACT

HEADQUARTERS

11529 Sun Belt Ct.
Baton Rouge, Louisiana 70809

Phone 800.223.8050

International

001.225.298.0300

Fax 225.297.2440

E-mail

sales@vartechsystems.com

Website

www.vartechsystems.com

Display Size

12.1 Inch

Panel Type

TFT Active

Resolution Capabilities

VGA to SVGA*

Pixel Format

640 x 480, 800 x 600*

Pixel Pitch

.3075mm

Active Display Area

9.756"(w) x 7.334"(h)
247.8mm(w) x 186.3(h)

Viewing Angle

Left / Right: 60/60 Degrees
Up / Down: 45/45 Degrees

Contrast Ratio

300:1 Typical

Brightness

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

Back Light

50,000 Hours Half Life

Colors Supported

262,144 (optional 16.7M)

Input Connector

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

Optional:

HD15 to 5BNC Interface Cable

Video Input

Analog 0.7V p-p,
Combined, SOG

Sync

Separate H&V

Power Source

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

12VDC @ 1.6A

Optional:

90-264VAC Universal

24VDC @ 0.50A

18-30VDC

Temperature

Operating: -20 to 50°C
(Optional Operating: -40° C, +55°C)
Storage: -20 to 60°C

Power Consumption

35 Watts

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

15.0" (w) x 12.5" (h)
381mm x 317.5mm

Cut Out Dimensions

13.7" (w) x 11.25" (h)
347.98mm x 285.75mm

Weight

15 lbs / 6.81 kg

Rear Chassis Construction

16 gauge Stainless Steel

Bezel Finish

NEMA 4X:
Stainless Steel

Touchscreen

Optional:
Resistive or Capacitive

Touch Interface

Serial

Optional:

USB

**Designed to Meet*

OPTIONS

- Resistive or Capacitive Touch
- HD15 to 5BNC Interface Cable
- 90-264VAC Universal Power Supply
- 24VDC @ 0.50A
- XGA Resolution
- 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

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