



19.0" 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 VT190PX 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
- ◆ Manual Full-Range Dimming
- ◆ 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

19.0 Inch

Panel Type

TFT Active

Resolution Capabilities

VGA to SXGA

Pixel Format

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

Pixel Pitch

.294mm (w) x .294mm (h)

Viewing Angle

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

Active Display Area

14.82" (w) x 11.85" (h)
376.32mm x 301.06

Contrast Ratio

500:1

Brightness

250 Nits, with full-range manual dimming

Optional: Actively enhanced panel for reliability in high ambient light conditions

Backlight

50,000 Hrs Typical

Colors Supported

16.8M

Video Input

Analog 0.7V p-p/ 75ohm, Digital

Sync

TTL Separate H&V
Combined, SOG

Input Connectors

HD15(F), DVI-D Pin,
RCA, Mini-Din (S-Video)

Optional:

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

Power Source

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

+12VDC@2.5a

Optional:

90-264VAC Universal

+24VDC

18-30VDC

Power Consumption

35 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

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*

Bezel Outside Dimension

18.98"(w) x 15.72"(h)

482.2mm x 399.3mm

Cutout Dimension

17.862"(w) x 14.582(h)

453.7mm x 370.4mm

Depth

3.25" / 82.6mm

2.88" Behind Panel

Chassis Construction

18 gauge Stainless Steel

Bezel Finish

Black Powder Coat Finish

Aluminum Bezel

Optional:

NEMA 4X Stainless Steel

Touch Screen

Optional:

Resistive or Capacitive

Touch Interface

Serial

Optional:

USB

*Designed to Meet

CONTACT

HEADQUARTERS

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OPTIONS

- Capacitive or Resistive Touch
- HD15 to 5BNC adapter cable
- Stainless Steel NEMA 4X (IP66) Front Panel
- Frontal Handles
- 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