



Solutions for Demanding Applications

## 6.4" Xtreme Rugged Military Grade Flat Panel



The NEMA 4 (IP65) 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 VT064PX comes standard with optically bonded chemically strengthened front protective glass for added Shock & Vibration protection and reduced solar reflectivity.

## SPECIFICATIONS

### FEATURES

- ◆ Bright Active Matrix TFT Display
- ◆ Optically bonded chemically strengthened front protective glass optional with 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
- ◆ Optional Stainless Steel
- ◆ HD15(F), RCA (NTSC/PAL)

**Display Size**  
6.4 Inch

**Panel Type**  
TFT Active

**Resolution Capabilities**  
VGA

**Pixel Format**  
640 x 480\*

**Pixel Pitch**  
.203mm (w) x .203mm (h)

**Active Display Area**  
5.102" (w) x 3.836" (h)  
129.6mm(w) x 97.44mm(h)

**Viewing Angle**  
Left / Right: 50°/50°  
Up / Down: 15° /35°

**Contrast Ratio**  
400:1 Typical

**Brightness**  
400 Nits (cd/m2), with manual full-range dimming  
**Optional:** Actively enhanced panel for reliability in high ambient light conditions

**Backlight**  
20,000 Hours Typical

**Colors Supported**  
262,144

**Video Input Connector**  
HD15(F), RCA (NTSC/PAL), S-video

**Video Input**  
0.7Vp-p / 75 ohm, NTSC/PAL

**Sync**  
TTL Separate H&V  
Combined, SOG

**Power Source**  
**Connector: Amphenol, Bayonet Mating, Meets MIL-C-5015**  
12VDC @ 1.00A  
**Optional:**  
90-264VAC Universal  
24VDC @ 0.50A  
18-30VDC

**Power Consumption**  
15 Watts  
2 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)

**Humidity**  
Operating: 10 to 95% NC  
Storage: 5 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 Finish**  
**NEMA 4**  
Black Powder Coat Finish  
Aluminum Bezel  
**Optional NEMA 4X (IP65):**  
Stainless Steel

**Touchscreen**  
Resistive or Capacitive

**Touch Interface**  
Serial or USB

\* Designed to Meet

\*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

## OPTIONS

- Touch Screen: Resistive or Capacitive
- 90-264VAC Universal
- 24VDC @ 0.50A Power Supply
- Stainless Steel NEMA 4X (IP66) Front Panel
- 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 -40°C / -40°F Operation
- Frontal Handles

### 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

