

VT150PHB2



VARTECH SYSTEMS INC.

Solutions for Demanding Applications

15.0" XGA High Bright NEMA 4 (IP65) Panel Mount LCD

This 15.0" LED Enhanced Sunlight Readable high bright flat panel display is designed to be placed in a variety of outdoor and high ambient light environments requiring a NEMA 4 panel mount that supports VGA to native XGA resolution. This display is auto sync compatible with most PC's video standards and satisfies a wide variety of industrial control and man-machine interface applications.

SPECIFICATIONS



FEATURES

- ◆ High Bright 1950 Nit Sunlight Readable Active Matrix TFT Display
- ◆ Low-Power, high reliability Solid State LED Backlighting
- ◆ Optical Bonding (VBOND) for added Shock & Vibration protection and/or reduced solar reflectivity
- ◆ Compact, Low Profile
- ◆ Wide Viewing Angles

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

15.0 Inch

Panel Type

LED Enhanced Sunlight Readable Active Matrix TFT Display

Optical Stack Enhancement (OSE)

Unique optical design which boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs.

Native Resolution

XGA

Native Pixel Format

1024 x 768

Pixel Pitch

.297mm (w) x .297mm (h)

Optical Bonding

Optical Bonding (VBOND) for added Shock & Vibration protection and/or reduced solar reflectivity

Pixel Pitch

.297mm (w) x .297mm (h)

Active Display Area

11.973"(w) x 8.979"(h)
304.12mm(w) x 228.09mm (h)

Viewing Angle

LEFT/RIGHT: 80°/80°
UP/DOWN: 80°/60°

Contrast Ratio

600:1 Typical

Brightness

1950 Nits Typical, Low-Power, high reliability Solid State LED Backlighting

Colors Supported

16.7M

Dimming Ratio

1000:1

Input Connectors

HD15(F), Mini Din 4-way (S-Video), Composite (BNC), DVI

Optional:

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

Video Input

Analog 0.7Vp-p / 75 ohm, Digital, NTSC/PAL

Back Light

70,000 Hours Typical

Sync

TTL Separate H&V, Combined, SOG

Power Source

90-264VAC Universal

Optional:

12VDC@ 2.25A

Power Consumption

27 Watts
4 Watts Sleep Mode

Temperature

Operating: -10°C to 50°C
Storage: -20°C to 60°C

Optional:

Operating: -20°C or -40°C

Humidity

Operating: 10 to 95%NC
Storage: 10 to 95%NC

Altitude

Operating: up to 10,000 ft
Storage: up to 40,000 ft

Cut Out Dimension

15.06"(w) x 12.2"(h)
382.52mm(w) x 309.88mm(h)

Depth Behind Panel

2.51"/63.75mm

Stud Size & Screw Length

10-32 x 1/2"

Weight

Unit: 10.5 lbs / 4.76 kg

Chassis Construction

16 gauge aluminum

Bezel Finish

Black Powder Coat on Aluminum

Optional:

NEMA 4X 316 Stainless Steel

Touchscreen

Optional:

Resistive or Capacitive

Touch Interface

USB or Serial

CONTACT

HEADQUARTERS

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OPTIONS

- Capacitive Touch or Resistive Touch
- HD15(M) to 5xBNC(F) Interface Cable
- Stainless Steel (316) NEMA 4X Front Panel
- Integrated Heaters & Thermostat for extended Operational Temperature -20°C
- Transparent Thermal Heaters for -40°C Operational Temperature
- 12VDC Power Supply
- Private Label for OEM/VAR Applications
- ITO Glass for Heater or EMI
- Automatic Dimming Sensor
- Manual Full-Range Dimming Turn Pot
- Chemically Strengthened Bonded Overlay on Non-Touch Screen
- 120 to 370 V DC