



10.4" VBOND Sunlight Readable NEMA 4 Panel Mount LCD



VarTech Systems unique VBOND process seals either a top cover glass or touch screen directly to the face of the display bezel. This bonding process eliminates the air-gap between the display and the cover glass, vastly reducing reflective light, which causes visual washout of the display image. VBOND also enhances structural integrity by supporting the LCD assembly with the cover glass. The bond maintains perfect display uniformity while providing shock protection and elimination of fogging caused by trapped moisture accumulating in typical air gap assemblies.

SPECIFICATIONS

FEATURES

- ◆ VBOND enhanced LCD screen
- ◆ Bright Active Matrix TFT Display
- ◆ Anti-Reflective Protective Faceplate
- ◆ Optional Touch
- ◆ DVI-D, ANALOG VGA (DB-15), COMPOSITE (BNC), FOUR PIN MINI DIN (S-VIDEO)
- ◆ Sync on Green
- ◆ SVGA

*Supports all VESA standard video formats

CONTACT

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Display Size
10.4 Inch

Panel Type
TFT Active

Optically Bonded
Yes

Resolution Capabilities
SVGA (optional XGA)

Pixel Format
800x600 (optional 1024 x 768)

Pixel Pitch
.264mm

Active Display Area
211.2mm(w) x 158.4mm(h)

Viewing Angle
Left / Right: 80°/80° Degrees
Up / Down: 80°/80° Degrees

Contrast Ratio
1000:1 Typical

Brightness
400 Nits Typical (optional 1100 nits)

Colors
16.77M

Response Time
18ms

Input Connector
DVI-D, ANALOG VGA (DB-15),
COMPOSITE (BNC), FOUR PIN MINI
DIN (S-VIDEO)
Optional:
HD15 to 5BNC Interface Cable

Video Input
Analog 0.7V p-p

Sync
Separate H&V,
Combined, SOG

Power Source
12VDC
Optional:
90-264VAC Universal
24VDC

Power Consumption
30 Watts

Temperature
Operating: -10° to 50°C
(Optional Operating: -20 to 60°C)
Storage: -20 to 60°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

Stud Size & Screw Length
10-32 x 1/2"

Dimensions
13.2"(w) x 11.2"(h)
335.3mm x 284.5mm

Cut Out Dimensions
12.086"(w) x 10.083"(h)
307.0mm x 255.6mm

Depth
2.063" / 52.4mm

Weight
12 lbs

Bezel Finish
NEMA 4:
Black Powder Coat
Aluminum
Optional NEMA 4X:
Stainless Steel

Touchscreen
Optional:
Resistive or Capacitive

Touch Interface
Serial or USB



OPTIONS

- 90-264 VAC Universal Power Supply
- 24VDC
- HD15 to 5BNC Interface Cable
- Resistive or Capacitive Touch
- Stainless Steel NEMA 4X Front Panel
- Armor Touch (must be optically bonded)
- High Brightness 1000 cd/m²
- XGA (1024 x 768) resolution
- -20 to 60°C Operational Temp
- Chemically Strengthened Bonded Overlay on Non-Touch Screen