



## 15.0" XGA Optically Bonded (VBOND) 7U Rack Mount



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

- ◆ Bright Active Matrix TFT Display
- ◆ Optical Bonding (VBOND) for added Shock & Vibration protection and/or reduced solar reflectivity
- ◆ XGA Native Resolution
- ◆ Compact, Low Profile
- ◆ HD15(F), Mini Din 4-way (S-Video), Composite (BNC), DVI
- ◆ Wide Viewing Angles
- ◆ Optional Resistive or Capacitive Touch

**Display Size**

15.0 Inch

**Panel Type**

TFT Active

**Native Resolution**

XGA

**Native Pixel Format**

1024 x 768

**Optical Bonding**

Optical Bonding (VBOND) for added Shock &amp; 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°/80°**Contrast Ratio**

500:1 Typical

**Brightness**

400 Nits Typical

**Back Light**

50,000 Hours Typical

**Colors Supported**

16.7M

**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

**Sync**

TTL Separate H&amp;V,

Combined, SOG

**Power Source**

90-264VAC Universal

**Optional:**

12VDC@ 2.25A

**Power Consumption**

27 Watts

4 Watts Sleep Mode

**Temperature**

Operating: 0 to 50°C

Storage: -20 to 60°C

**Optional:**

Operating: -20°C or -40°C

**Humidity**

Operating: 10 to 90% NC

Storage: 5 to 95% NC

**Altitude**

Operating: up to 10,000 ft

Storage: up to 40,000 ft

**Rack Bezel Dimensions**

18.984"(w) x 12.22"(h)(7U)

482.2(w) x 310.4mm(h)

**Depth**

2.56" / 65.2mm

**Weight**

Unit: 16.2 lbs / 7.36 kg

Shipping: 30 lbs / 13.64 kg

**Rear Chassis Construction**

16 gauge aluminum

**Bezel Finish**

Black Powder Coated Aluminum

**Touchscreen****Optional:**

Resistive or Capacitive

**Touch Interface**

USB

### CONTACT

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## OPTIONS

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