



Solutions for Demanding Applications

## 47.0" VBOND Rugged Tabletop 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

### Display Size

47.0 Inch

### Panel Type

TFT Active

### Resolution Capabilities

1920 x 1080, **1080p**

VGA to WXGA, 16:9 aspect ratio

### Frequency

Horizontal: 30K to 80KHz

Vertical: 56 ~ 75Hz

### DDC

DDC 2B

### OSD Control

RS232C, Push button,

IR Remote Controller

### OSD Language

English

### Input Resolution

1920 x 1080@ 60HZ (Analog and Digital)

### Viewing Angle

Horizontal: 176°

Vertical: 176°

### Contrast Ratio

1200:1 Typical

### Brightness

500 Nits (cd/m<sup>2</sup>)

### Colors Supported

16.7 M color

### Input Connectors

D-Sub 15 pins, DVI, S-Video,  
Component, AV, Audio(optional),  
HD-SDi BNC(optional)

### Communication Port

D-Sub 9 Pin, RJ145 In/Out  
(Transport Protocol - RS-232,  
RS-485 I/O)

### Power Supply

100-240 VAC (50/60Hz)

### Power Consumption

Normal Operation: 165W

Suspend/Standby: 15W

Power Off Mode: 15W

### Temperature

Operating: 5° to 40°C (41° to 104°F)  
(optional -20°C/-4°F)

Storage: -20° to 60°C (-4° to 140°F)

### Humidity

Operating: 85% RH

Storage: 85% RH

### Response Time

6.5ms typical

### Dimensions (without stand)

1139.4mm x 684.4mm x 126.2mm

### Weight (Actual)

38.7kg

### Warranty

2 year

### Multimedia

PIP/PAP/Zoom

### Housing

Rugged Full Metal Enclosure

### Mounting

200mmx200mm, 200mmx600mm VESA  
mounting

### Optional Touch Screen

**Technology:** Optical Imaging

**Method:** Finger, gloved hand, or any  
other pointer

**Reported Touch Resolution:**

32767 x 32767

**Response Time:** 8~20ms

Interface: USB 1.1 (full speed), HID  
compliant plug-and-play compatible

**Touch Calibration:** 4 point Calibration  
(requires no software), Automatic  
landscape orientation

**Touch Activation Force:** No Pressure  
Required

**Operating Systems:** Windows 2000/XP,  
Mac OS, Linux



## FEATURES

- ◆ Sunlight Readable VBOND enhanced LCD screen
- ◆ 500 nits (cd/m<sup>2</sup>)
- ◆ Rugged, Hardened Construction
- ◆ Full Metal Enclosure
- ◆ Bright Active Matrix TFT Display
- ◆ True HDTV (1920 x 1080) resolution, 1080p
- ◆ Digital or Analog Interface
- ◆ Wide Viewing Angles
- ◆ Multiple Video Input

## CONTACT

### HEADQUARTERS

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## OPTIONS

- Protective Surface - 4mm (AG/AR), Tempered Glass
- Conformal coating to all internal system circuit boards
- -20°C/-4F Operational Temperature
- Audio Amplifier - In \*1 , Out \*1
- Speakers - 10W x 2EA, 4oms / 10W+ 10W(rms)@THD<1%
- HD-SDI / SDi - In \*1 , Out \*1
- Optical Imaging touch Screen

[www.vartechsystems.com](http://www.vartechsystems.com)