



Solutions for Demanding Applications

## 42.0" VBOND 1080p High Def Tabletop Rugged 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**

42.0 Inch

**Panel Type**

TFT Active

**Resolution**

1920 x 1080 pixels

**Input Resolution**

1920 x 1080 @ 60HZ (Analog and Digital)

**Frequency**

Horizontal: 30K to 65KHz

Vertical: 56 ~ 75Hz

**DDC**

DDC 2B

**OSD Control**

RS232C, Push button,

IR Remote Controller

**OSD Language**

English

**Viewing Angle**

Horizontal: 176°

Vertical: 176°

**Contrast Ratio**

5000:1 Typical

**Brightness**

450 Nits cd/m2

**Colors Supported**

16.7 M

**Input Connectors**

HDMI 1.3c x 2 /VGA

**Power Source**

100-240 VAC (50/60Hz) Universal

**Power Consumption**

Normal Operation ≤ 231 W (Max.)

Stand By ≤ 1 W

**Temperature**

Operating: 0° to 35°C (32°F to 95°F)

Storage: -20° to 60°C (-4°F to 140°F)

**Humidity**

Operating: 85%RH

Storage: 85%RH

**Response Time**

6.5ms (GTG)

**Dimensions without Stand**

1026mm x 619mm x 121.6mm (WxHxD)

**VESA Mount**

400mm x 200mm VESA

**Multimedia**

PIP, PBP, Zoom

**Fanless Design**

Yes

**Source Auto Detect**

Yes

**Weight**

Net: 22.0kg/48.5lbs., Gross:

26.0kg/57.32lbs.

**Warranty**

1 year

**Optional Communication Port**

D-Sub 9 Pin In, RJ45 In/Out

(Transport Protocol - RS-232C In,

RS-485 I/O)

**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
- ◆ Bright Active Matrix TFT Display
- ◆ Digital or Analog Interface
- ◆ Wide Viewing Angles
- ◆ 450 nits cd/m2 Brightness
- ◆ Multiple Video Input Selections
- ◆ Aspect Ratio: 16:9
- ◆ PIP, PBP, Zoom
- ◆ Fanless Design
- ◆ Source Auto Detect

### CONTACT

**HEADQUARTERS**

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### OPTIONS

- Protective Surface - 4mm (AG/AR), Tempered Glass
- Conformal coating to all internal system circuit boards
- Audio Amplifier - In \*1 or \*2, Out \*1
- Speakers - 10W x 2EA, 4oms / 10W+ 10W (rms)@THD<1%
- HD SDI
- Communication Port: D-Sub 9 Pin, RJ145 In/Out (Transport Protocol - RS-232, RS-485 I/O)
- Optical Imaging Touch Screen