



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
- ◆ V-BOND enhanced LCD screen
- ◆ HD15(F), DVI-D Pin, RCA, Mini Din
- ◆ Picture in Picture
- ◆ Compact Low Profile
- ◆ Anti-Reflective Protective Faceplate
- ◆ Optional Touch Systems

*Supports all VESA standard video formats

Display Size

20.1 Inch

Panel Type

TFT Active

Resolution

VGA to UXGA*

Pixel Format

640 x 480, 800 x 600, 1024 x 768
1280 x 1024, 1600 x 1200*

Pixel Pitch

.255mm (w) x .255mm (h)

Viewing Angle

Left / Right: 178°/178°
Up / Down: 178°/178°

Active Display Area

16.090" (w) x 12.088" (h)
408.69mm x 307.04mm

Picture in Picture

Small Window: 3.6" (w) x 2.9" (h)
Med Window: 5.0" (w) x 4.9" (h)
Large Window: 6.5" (w) x 5.0" (h)

Contrast Ratio

800:1

Brightness

300 Nits Typical

Colors Supported

16.8M

Backlight

50,000 Hrs Typical

Video Input

0.7Vp-p / 75 ohm Digital

Sync

TTL Separate H&V,
Combined, SOG

Input Connectors

HD15(F), DVI-D,
(NTSC / PAL)
5 PIN MINI—DIN (S-Video)

Optional:

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

Power Source

90-264VAC Universal

Optional:

12VDC or 24VDC

Power Consumption

50 Watts @115VAC
8 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 95%NC
Storage: 10 to 95 NC

Altitude

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

Bezel Outside Dimension

20.466" (w) x 16.464" (h)
519.84mm (w) x 418.19mm (h)

Cut Out Dimension

19.130" (w) x 15.130" (h)
485.90mm (w) x 384.3mm (h)

Depth Behind Panel

3.438" / 87.33mm

Stud Size & Screw Length

10-32 x 1/2"

Chassis Construction

18 gauge Stainless Steel

Bezel Finish

NEMA 4X: Stainless Steel

Touch Screen

Optional:

Resistive or Capacitive

Touch Interface

Serial

Optional:

USB

CONTACT

HEADQUARTERS

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OPTIONS

- Capacitive or Resistive Touch
- HD15 to 5NC adapter 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