



Solutions for Demanding Applications

8.4" High Bright Sunlight Readable NEMA 4 Panel Mount LCD

This 8.4" LED Enhanced Sunlight Readable flat panel display is a compact design to be placed in a variety of industrial and process control environments requiring a High Bright NEMA 4 panel mount SVGA resolution (XGA optional) monitor being used in sunlight applications. The display is PC compatible with VGA video boards that satisfy a wide variety of industrial control, camera and man-machine interface solutions.

SPECIFICATIONS

Display Size

8.4 Inch

Panel Type

LED Enhanced Sunlight Readable Active Matrix TFT Display

Optical Stack Enhancement (OSE)

Unique optical design which boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs.

Resolution Capabilities

SVGA (XGA optional)

Native Pixel Format

800x600 (1024 x 768 optional)

Pixel Pitch

SVGA 0.213mm x 0.213mm / XGA 0.1665mm x 0.1665mm

Viewing Angle

Left/Right: SVGA 80°/80° - XGA 85°/85° | Up/Down: SVGA 80°/60° - XGA 85°/85°

Contrast Ratio

600:1 Typical (XGA 400:1)

Brightness

SVGA: **1500 nits** (XGA: 1000 nits) True High Brightness, Low Power, high reliability Solid State Back-lighting

Optical Bonding

Optical Bonding (**VBOND**) for added Shock & Vibration protection and/or reduced solar reflectivity

Colors

16.77M

Response Time

25ms

Input Connector

DVI-D, ANALOG VGA (DB-15), COMPOSITE (BNC), FOUR PIN MINI DIN (S-VIDEO)

Optional: HD15 TO 5BNC INTERFACE CABLE

Backlight

50,000 hrs (CCFL)

Video Input

Analog 0.7V p-p

Sync

Separate H&V, Combined, SOG

Power Source

12VDC **Optional:** 90-264VAC Universal or 9-36 VDC

Temperature

Operating: -10° to 50°C (**optional extended operational temperatures**) 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

10.624" (W) x 8.939" (H) x 2.389" (D) / (269.8mm (W) x 227.1mm (H) x 60.68mm (D))

Cut Out Dimensions

9.375"(w) x 7.875"(h) / 238.13mm x 200.03mm

Active Display Area

6.780"(w) x 5.160"(h) / 172.21mm x 131.06mm

Bezel Finish

NEMA 4: Black Powder Coat Aluminum **Optional NEMA 4X:** 316 Stainless Steel

Chassis Construction

Powder Coated Aluminum

Touchscreen

Optional: Resistive or Capacitive

Touch Interface

Serial or USB

Weight: 7.5 lbs.

OPTIONS

- XGA Resolution 1024 x 768
- 90-264 VAC Universal Power Supply or 9-36VDC
- HD15 to 5BNC Interface Cable
- Resistive or Capacitive Touch
- 316 Stainless Steel NEMA 4X Front Panel
- Armor Touch (must be optically bonded)
- Chemically Strengthened Bonded Overlay on Non-Touch Screen
- Manual Full-Range Dimming Turn Pot



FEATURES

- ◆ LED Enhanced Sunlight Readable 1500 nit Active Matrix TFT Display
- ◆ Optical Stack Enhancement
- ◆ (VBOND) for added Shock & Vibration protection and/or reduced solar reflectivity
- ◆ Advanced Deep Dimming to Black
- ◆ SVGA (XGA Optional)

Marks of Conformity:

FCC47 CFR part 15, subpart B
EMC: EN 55022:2006, EN 55024:1998, CISPR 22:2005, CISPR 24:1997

Canada: ICES-003

Australia/New Zealand: AS/

NZS CISPR 22

CE

RoHS

WEEE



CONTACT

HEADQUARTERS

11529 Sun Belt Ct.
Baton Rouge, Louisiana 70809

Phone 800.223.8050

International

001.225.298.0300

Fax 225.297.2440

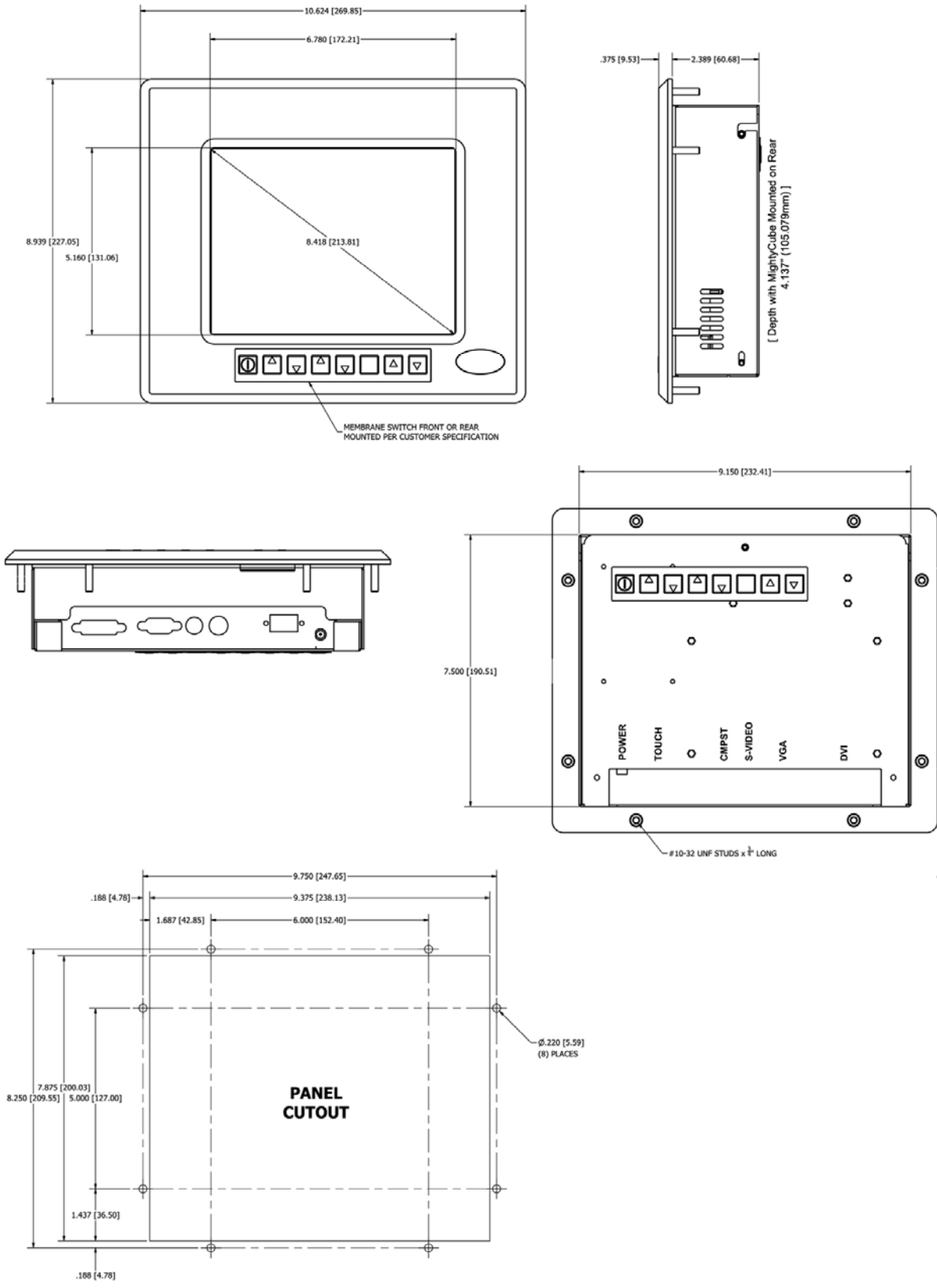
E-mail

sales@vartechsystems.com

Website

www.vartechsystems.com

Mechanical Drawing



DRAWN	4/27/2010	VARTECH SYSTEMS	
CHECKED			
QA		TITLE	
VT084PHB2		OUTLINE DRAWING- VT084P2, VT084PHB2	
VT084P2	APPROVED	SIZE	DWG NO
USED ON		D	601-0350
APPLICATION		SCALE	REV
		1:1	0
			SHEET 1 OF 1