



## 8.4" High Bright Sunlight Readable NEMA 4X 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 4X 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

#### FEATURES

- ◆ LED Enhanced Sunlight Readable 1500 nit Active Matrix TFT Display
- ◆ NEMA 4X 316 Stainless Steel Front Panel
- ◆ 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



#### 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 using high reliability Solid State Backlighting

#### 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"h x 8.939"v  
(269.8mm x 227.1mm)

#### Depth

2.389" (60.68mm)

#### 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 4X 316 Stainless Steel

#### Optional NEMA 4:

Black Powder Coat

Aluminum

#### Chassis Construction

Powder Coated Aluminum

#### Touchscreen

#### Optional:

Resistive or Capacitive

#### Touch Interface

Serial or USB

#### CONTACT

#### HEADQUARTERS

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### OPTIONS

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