



Solutions for Demanding Applications

## 12.1" High Bright NEMA 4 Panel Mount LCD

This 12.1" LED Enhanced Sunlight Readable high bright display is a compact design to be placed in a variety of high ambient light environments requiring a NEMA 4 panel mount SVGA (optional XGA) resolution. 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

- ◆ High Bright, Sunlight Readable, Active Matrix TFT Display
- ◆ Optical Bonding (VBOND) for added Shock & Vibration protection and/or reduced solar reflectivity
- ◆ Anti-Reflective Protective Faceplate
- ◆ 1000 Nits Brightness, Low-Power, High Reliability Solid State LED Backlighting
- ◆ Optional Resistive or Capacitive Touch
- ◆ NEMA 4 Rated at the Front Bezel

\*Supports all VESA standard video formats

#### Display Size

12.1 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 native (optional XGA native)

#### Native Pixel Format

800 x 600 (optional 1024 x 768)

#### Pixel Pitch

.3075mm (w) x .3075mm (h)

#### Active Display Area

9.69" (246mm) WIDE  
7.28" (185mm) HIGH

#### Viewing Angle

Left / Right: 80°/80°  
Up / Down: 80°/60°

#### Contrast Ratio

600:1 Typical

#### Brightness

1000 Nits Typical, Low-Power, high reliability Solid State LED Backlighting (optional XGA panel is 1100 nit)

#### Optical Bonding

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

#### Back Light

50,000 Hours Half Life

#### Colors

16.7M (8 bit)

#### Video Input Connectors

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

#### Video Input

0.7V p-p / 75 ohm, Digital, NTSC/PAL

#### Sync

TTL Separate H&V, Combined, SOG

#### Power Source

100-240 VAC

#### Optional:

12VDC@2.5 AMPS

#### Power Consumption

30 Watts

#### Temperature

Operating: -10°C to 50°C

(optional extended 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

#### Dimensions

15.0" (w) x 12.5" (h)  
381mm x 317.5mm

#### Cut Out Dimensions

13.7" (w) x 11.25" (h)  
347.98mm x 285.75mm

#### Weight

9.5 lb/4.32kg

#### Bezel Finish

Black Powder Coat  
Cold Rolled Steel

#### Optional:

NEMA 4X 316 Stainless Steel

#### Touchscreen

#### Optional:

Resistive or Capacitive

#### Touch Interface

Serial or USB

### CONTACT

#### HEADQUARTERS

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### OPTIONS

- XGA Resolution (1024 x 768) with 1100 nit brightness
- Resistive or Capacitive Touch
- 316 Stainless Steel NEMA 4X Front Panel
- 12VDC@2.5 AMPS
- Automatic Dimming Sensor
- Manual Full-Range Dimming Turn Pot
- Extended Operational Temperatures
- 120 to 370 V DC

#### 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

