



12.1" High Bright NEMA 4X Panel Mount LCD

This 12.1" LED Enhanced Sunlight Readable Stainless Steel NEMA 4X Bezel flat panel display is a compact design to be placed in a variety of high ambient light environments requiring a NEMA 4X panel mount SVGA (or 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 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 Touch
- ◆ NEMA 4X 316 Stainless Steel Front Bezel

*Supports all VESA standard video formats

CONTACT

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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

12 lb/5.41kg

Bezel Finish

NEMA 4X Stainless Steel

Optional:

Black Powder Coat Cold Rolled Steel

Touchscreen

Optional:

Resistive or Capacitive

Touch Interface

Serial or USB

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



OPTIONS

- XGA Resolution (1024 x 768) with 1100 nit brightness
- Resistive or Capacitive Touch
- Black Powder Coat Cold Rolled Steel
- 12VDC@2.5 AMPS
- Automatic Dimming Sensor
- Manual Full-Range Dimming Turn Pot
- Extended Operational Temperatures
- Optical Bonding (VBOND) for added Shock & Vibration protection and/or reduced solar reflectivity
- 120 to 370 V DC