



Solutions for Demanding Applications

15.0" High Bright Sunlight Readable NEMA 4X Panel LCD

This 15.0" LED Enhanced Sunlight Readable Stainless Steel (316) flat panel display is designed to be placed in a variety of high ambient light environments requiring a NEMA 4X panel mount that supports VGA to XGA resolutions*. This display is auto sync compatible with most PC's video standards and satisfies a wide variety of industrial control and man-machine interface applications.



SPECIFICATIONS

FEATURES

- ◆ High Bright 1950 Nit Sunlight Readable Active Matrix TFT Display
- ◆ Low-Power, high reliability Solid State LED Backlighting
- ◆ Optical Bonding (VBOND) for added Shock & Vibration protection and/or reduced solar reflectivity
- ◆ XGA Native Resolution
- ◆ NEMA 4X Stainless Steel (316) Bezel
- ◆ Compact, Low Profile
- ◆ HD15(F), Mini Din 4-way (S-Video), Composite (BNC), DVI
- ◆ Wide Viewing Angles
- ◆ Optional Resistive or Capacitive Touch

Display Size

15.0 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.

Native Resolution

XGA

Native Pixel Format

1024 x 768

Optical Bonding

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

Pixel Pitch

.297mm (w) x .297mm (h)

Active Display Area

11.973" (w) x 8.979" (h)
304.12mm (w) x 228.09mm (h)

Viewing Angle

L/R: 80°/80° UP/DOWN: 80°/60°

Contrast Ratio

600:1 Typical

Brightness

1950 Nits Typical, Low-Power, high reliability Solid State LED Backlighting

Back Light

70,000 Hours Typical

Colors Supported

16.7M

Dimming Ratio

1000:1

Input Connectors

HD15(F), Mini Din 4-way (S-Video), Composite (BNC), DVI

Optional:

HD15(M) to 5x BNC(F) Interface Cable

Video Input

Analog 0.7Vp-p / 75 ohm, Digital, NTSC/PAL

Sync

TTL Separate H&V, Combined, SOG

Power Source

90-264VAC Universal

Optional:

12VDC@ 2.25A

Power Consumption

27 Watts
4 Watts Sleep Mode

Temperature

Operating: -10°C to 50°C
Storage: -20°C 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

Cut Out Dimension

15.06" (w) x 12.2" (h)
382.52mm(w) x 309.88mm(h)

Depth Behind Panel

2.51"/63.75mm

Stud Size & Screw Length

10-32 x 1/2"

Weight

Unit: 10.5 lbs / 4.76 kg

Chassis Construction

16 gauge aluminum

Bezel Finish

NEMA 4X, Stainless Steel

Touchscreen

Optional:

Resistive or Capacitive

Touch Interface

USB or Serial

CONTACT

HEADQUARTERS

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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

- Capacitive or Resistive Touch
- HD15 to 5BNC Interface Cable
- 12VDC Power Supply
- 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 Turn Pot
- Chemically Strengthened Bonded Overlay on Non-Touch Screen
- 120 to 370 V DC