



Solutions for Demanding Applications

**15.0" DiamondVue SERIES NEMA 4X Panel Mount LCD**

This 15.0" Stainless Steel (316) flat panel display is designed to be placed in a variety of industrial and process control 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**

- ◆ Bright Active Matrix TFT Display
- ◆ 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**

TFT Active

**Native Resolution**

XGA

**Native Pixel Format**

1024 x 768

**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**
LEFT/RIGHT: 80°/80°  
UP/DOWN: 80°/80°
**Contrast Ratio**

500:1 Typical (1950 nits optional)

**Brightness**

400 Nits Typical

**Back Light**

50,000 Hours Typical

**Colors Supported**

16.7M

**Input Connectors**

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

**Optional:**

HD15(M) to 5xBNC(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: 0 to 50°C  
Storage: -20 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:  
316 Stainless Steel
**Touchscreen**
Optional:  
Resistive or Capacitive
**Touch Interface**

USB

**CONTACT**
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**OPTIONS**

- Capacitive or Resistive Touch
- 1950 Nits Brightness
- HD15 to 5BNC Interface Cable
- 12VDC Power Supply
- Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity
- Integrated Heaters & Thermostat for extended Operational Temperature -20°C
- Private Label for OEM/VAR Applications
- Automatic Dimming Sensor
- Manual Full-Range Dimming
- Chemically Strengthened Bonded Overlay on Non-Touch Screen
- 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