



Solutions for Demanding Applications

## 19.0" SXGA NEMA 1 Wall/Arm Mount High Bright Display

This 19" SXGA (1280 x 1024) resolution VESA Mount flat panel LCD display is NEMA 1 rated and designed to be placed in a variety of industrial environments requiring protection at the frontal bezel from the ingress of solid foreign objects (falling dirt). This rugged display satisfies a wide variety of industrial control and man-machine interface applications and is integrated with a very bright (850 nits cd/m<sup>2</sup>), high-contrast and extremely durable true industrial grade TFT display.

## SPECIFICATIONS

### FEATURES

- 19" Very Bright Active Matrix Sunlight Readable TFT Display, 850 nits (cd/m<sup>2</sup>)
- A multitude of Video Inputs: HD15(F), DVI-D Pin, Composite BNC, Mini Din (S-video)
- High Contrast Ratio & Definition, Outstanding Vivid Color & Image Quality
- Wide Color Gamut
- 16.8k (RGB 8-bit data) Colors Supported
- Energy Efficient, Low Power Consumption
- High Environmental Performance and Reliability
- Anti-Reflective Protective Window
- SXGA (1280 x 1024) Resolution
- Wide Operational Temperature Range, 0°C to +50°C (32°F to +122°F)(optional extended temperature ranges available)
- Rugged Machined Black Powder Coated Aluminum Enclosure with 100mm VESA mounting provision
- RoHS Compliant
- Engineered and Manufactured by VarTech Systems, an ISO 9001 Registered Company
- **Engineered, Fabricated and Assembled in the USA**
- Two (2) Year Warranty

\*Supports all VESA standard video formats

### CONTACT

#### HEADQUARTERS

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#### Website

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#### Display Size

19.0 Inch

#### Panel Type

TFT Active

#### Resolution Capabilities

VGA to SXGA

#### Pixel Format

640 x 480, 800 x 600,  
1024 x 768, 1280 x 1024\*

#### Pixel Pitch

.294mm (w) x .294mm (h)

#### Viewing Angle

Left / Right: 85°/85°  
Up / Down: 85°/85°

#### Active Display Area

14.818" (w) x 11.853" (h)  
376.320mm x 301.056

#### Contrast Ratio

900:1

#### Brightness

850 Nits

#### Backlight

30,000 Hours Typical

#### Colors Supported

16.8k (RGB 8-bit data)

#### Video Input

Analog 0.7V p-p/ 75ohm, Digital

#### Sync

TTL Separate H&V  
Combined, SOG

#### Input Connectors

HD15(F), DVI-D Pin,  
RCA (NTSC/PAL),  
5 Pin Mini-Din (S-Video)

#### Optional:

HD15(M) to 5xBNC(F) Interface Cable

#### Power Source

90-264VAC Universal

#### Optional:

+12VDC@4.8a

#### Power Consumption

60 Watts@ 115VAC

10 Watts Sleep Mode

#### Temperature

Operating: -10 to 50° C

Storage: -20 to 60° C

#### Optional:

Operating: -20°C or -40°C

#### Humidity

Operating: 8 to 95% NC

Storage: 8 to 95% NC

#### Altitude

Operating: up to 10,000 ft

Storage: up to 30,000 ft

#### Weight

19 lbs

Shipping Weight: 25 lbs

#### Bezel Finish

Black Powder Coat

Cold Rolled Steel

#### Touchscreen

#### Optional:

Resistive or Capacitive

#### Touch Interface

Serial

#### Optional:

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



RoHS  
compliant

## OPTIONS

- 90-264V AC Power standard, (optional 12VDC, 24VDC or 9-36VDC available)
- Touch Screen: Capacitive, Resistive Touch, Armor Touch
- Other mechanical configurations
- Optical Bonding for added Shock & Vibration protection and/or reduced solar reflectivity (VBOND)
- Extended Operational Temperature Range down to -20°C (-4°F) or -40°C (-40°F); also +55°C (+131°F)
- Inputs: Component Video YPbPr/SD or Component Video YCbCr; 3-wire BNC Sync-on-Green; 5-wire BNC
- Private Label for OEM/VAR Applications
- Impact Resistant Protective Windows
- Custom Designs based on Customer's Exact Needs