



8.4" Chassis Mount Enhanced High Bright LCD Display



This high bright low power monitor can easily be read in all lighting conditions, including high ambient light, direct sunlight and at night, which makes it perfect for use in a multitude of vertical markets. The LCD provides a thermal management system and can be dimmed.

SPECIFICATIONS

Display Panel

8.4" SVGA TFT

Active Display Area

170.4mm (h) x 127.8mm (v)

Pixel Format

800 x 600

Resolution

SVGA / 6 bit color

Number of Colors

262K

Viewing Angle

Horizontal: 30° min 50° typ (a) & (b)

Vertical: 30° min 55° typ (a) & 15° min

35° typ (b) (refer to fig. 1 in mechanical drawing)

Screen Brightness1500 cd/m² typical, 1350 cd/m² min**Contrast Ratio**

100:1 min, 250:1 typical (luminance with all pixels white/luminance with all pixels black - refer to fig. 3 in mechanical drawing)

Uniformity

80% min, >90% typ (uniformity = (Lmin/Lmax see fig. 2 in mechanical drawing)

Uniformity Modulation

10% min, <5% typ (uniformity modulation = (Lmax-Lmin) / (Lmax-Lmin))

MTBF (excluding lamps)

50,000 hours typical

Lamp Life

50,000 hours typical at 25°C to 50% (full brightness) unit includes lamp heater to maintain optimum temperature at levels below 25°C

Power Consumption

35 W, typ (results obtained with inverter at 84% efficiency; results may vary with other inverters)

Temperature (Normal Operation)

Range with Dry Bulb: 0 to 50°C

Max. Temp Change Rate: 10°C per hour

Relative Humidity: 10 to 90% NC

Max Humidity Change Rate: 10% per hour

Sudden Temp. Change: 12°C

Max Dew Point Temp: 26° C

Temperature (Extreme Operation)

Range with Dry Bulb: 0 to 50°C

Max. Temp Change Rate: 15°C per hour

Relative Humidity: 5 to 90% NC

Temperature (Other)

Storage: -10 to 50°C

Transit: -40 to 60°C

Humidity (Other)

Storage: 10 to 90%

Transit: 5 to 95%

Barometric PressureOperating and Storage: 105 x 10³ Pa, sea level to 70 x 10³ Pa (9850 ft)**Dimensions**

9.5" (w) x 8" (h)

240mm (w) x 202 mm (h)

Depth= 4.25" = 108mm

Weight

3.7 lb / 3.4 kg

Optional Touch Screen

Resistive or Capacitive

Compliant With:

CSA Standard for Safety of IT Equipment (C22.2 No. 60950-1) + UL60950-1

IEC 60950-1 & EN 60 950-1 Safety of Information Technology Equipment including Electrical Business Equipment

RFI Radiated Emission to EN55022 (Latest Revision) Class B

RFI Radiated Susceptibility EN61000-4-3: (Latest Revision) 6V/m with 1kHz, 80% Modulation over the frequency range 80 - 1000MHz.

RFI Radiated Susceptibility EN550204: (Latest Revision) 6V/m with 200Hz Pulse modulation. Spot Frequency 900MHz.

Electrical Fast Transients EN61000-4-4: (Latest Revision) (1kV data)

Electrostatic Discharge EN61000-4-2: (Latest Revision) contact discharge +/-5kV and air discharge +/-14kV

RFI Conducted Susceptibility EN61000-4-6: (Latest Revision) test level 6V, prior to application of 1kHz, 80% modulation. Test frequency range 0.15 MHz to 80 MHz

Power Frequency Magnetic Immunity EN 61000-4-8: (Latest Revision), 3 A/m

FEATURES

- ◆ High Bright, Low Power
- ◆ Readable in Sunlight, High Ambient Light and Night Time Conditions
- ◆ Thermal Management System
- ◆ Capable of Dimming Beyond 500:1 ratio

CONTACT

HEADQUARTERS11529 Sun Belt Ct.
Baton Rouge, Louisiana 70809**Phone** 800.223.8050**International**

001.225.298.0300

Fax 225.297.2440**E-mail**

sales@vartechsystems.com

Website

www.vartechsystems.com





Figure 1. Viewing angle

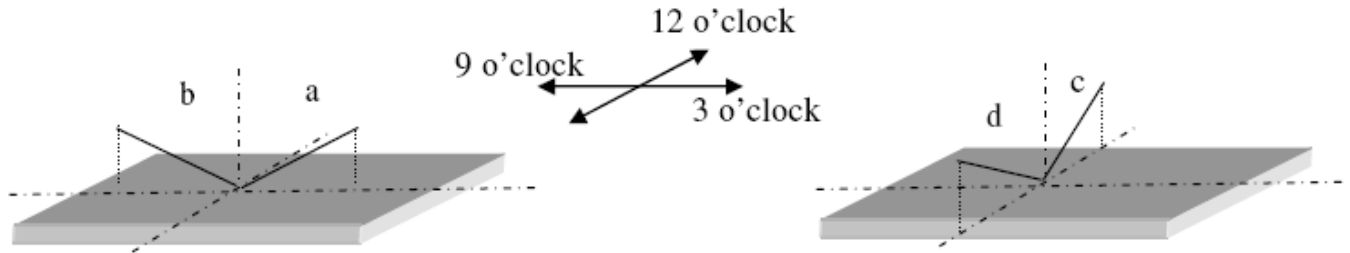


Figure 2. Uniformity measurement

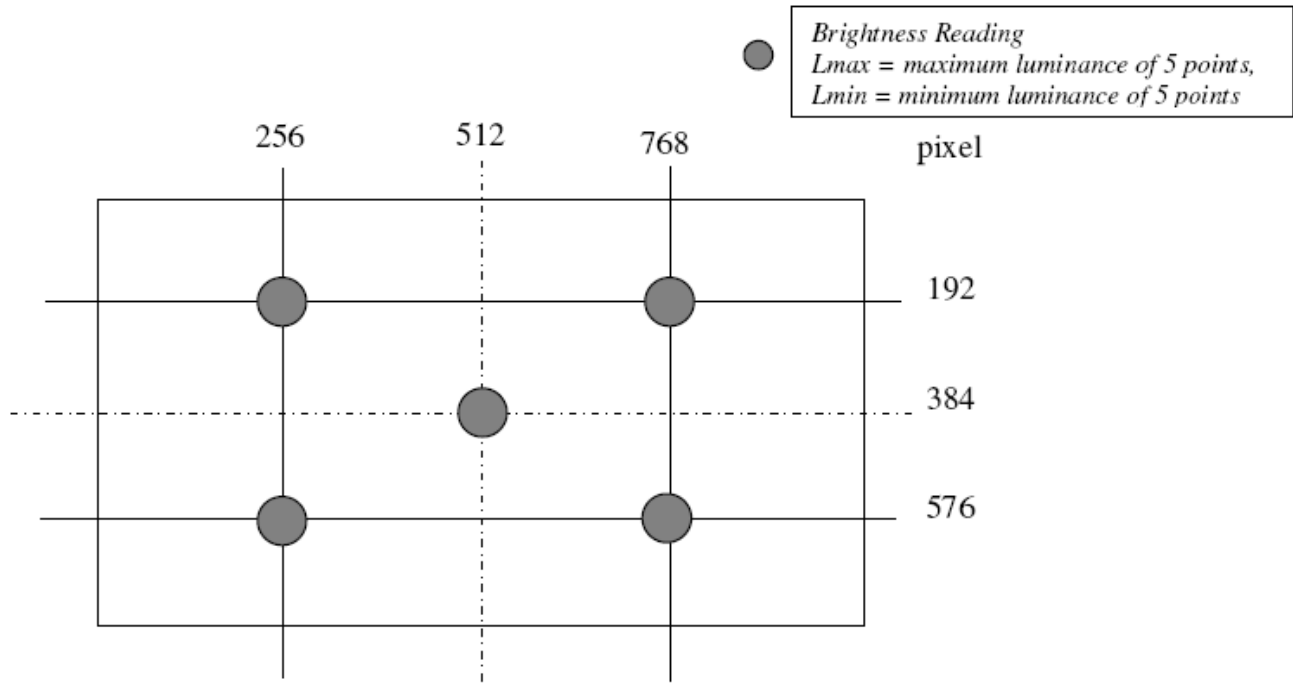




Figure 3. Contrast Ratio Measurement Method.

Test carried out in a dark room after panel has been running for 30 minutes continuously.

