



**AbraxSys**  
RUGGED LCD SOLUTIONS

# 8.4" Sunlight Readable Industrial Grade VESA Mount LCD Flat Panel Monitor

Model SRD-VM-084

The Sunlight Readable High Brightness model AS084VHB12 LCD monitor utilizes the latest 8.4" XGA (1024 x 768) TFT Flat Panels. AbraxSys has added a versatile Analog-Digital interface board, backlight inverter and OSD controls. All elements, including a toughened glass protective screen have been packaged in a compact, rugged metal housing. The result is a flexible Display Head, ready for integration as part of any system; as an analog monitor, or a touchscreen driven human-machine interface.

This industrial grade Sunlight Readable NEMA 12 IP52 LCD TFT monitor is designed for use throughout a wide range of harsh outdoor applications. These rugged LCD displays are rigorously tested to ensure compliance with various industry standards and are engineered to withstand the effects of severe environments such as water, dust and dirt intrusion. These products perform well beyond ordinary 'commercial' type monitors. AbraxSys' high bright Sunlight Readable LCDs are ideal for use in any high ambient light condition, and will give you the intensity and brilliance your application requires.



# Technical Specifications

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## General

**Model:**  
SRD-VM-084

**Display Size**  
8.4"

**Display Type**  
Long-Life Industrial Grade Active Matrix TFT LCD

**Backlight Technology**  
Solid State, Long-Life LED, with Light Source Redundancy

**Optical Films Enhancements**  
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.

**Brightness**  
1200 nits (cd/m<sup>2</sup>)

**Dimming Capabilities**  
Front Keypad, Can be Reposition on the Rear of the Enclosure

**Contrast Ratio**  
750:1

**Aspect Ratio**  
4:3

**Resolution**  
800 x 600

**Colors Supported**  
16.7M (8-bit/color)

**Viewing Angles**  
-85° to 85° Horizontal  
-85° to 85° Vertical

**Video Inputs**  
DVI, HD15 (VGA), HDMI, DisplayPort

**User Controls**  
Front Keypad (can also be configured for rear controls, or Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming)

**Protective Window**  
3mm Sparkle Free Front Protective Impact Window or Projected Capacitive Touch Screen

**Power Types**  
90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC

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## Physical Attributes

**Front Bezel**  
High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595

**Rear Enclosure**  
High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595

**Panel Mounting**  
VESA 75 via 10-32 x .75 studs

**Overall Dimensions**  
6.880 x 8.24 x 1.948 in  
(174.76 x 209.30 x 49.48mm)

**Sunlight Readability**  
The latest optical technology for high ambient light conditions

**Warranty Period**  
3 Years

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## Environmental

**Sunlight Readability**  
The latest optical technology for high ambient light conditions

**Operating Temperature Range**  
-30°C to 80°C (-22°F to 176°F)

**Storage Temperature**  
-30°C to 80°C (-22°F to 176°F)

**Humidity**

5% to 95% RH (non-condensing)

**Shock**

Operating: 30g's, 11ms, ½ Sine

**Vibration**

1g RMS 20-500Hz

**Fasteners**

Vibration-proof, self-locking, fastener system

**EMI**

FCC Class B pursuant to Part 15 of the FCC Rules

**Agency Compliance**

CE

**Altitude**

Operating 0 to 10,000 ft.  
Storage 0 to 40,000 ft.

**RoHS Compliant**

Yes

**Rating**

NEMA 12 / IP50

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## Additional Add-On Options

**Touch Screen Technology****Resistive****Hardened Armored Touch Technology****Power Type Choices**

90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC

**Video Input Options**

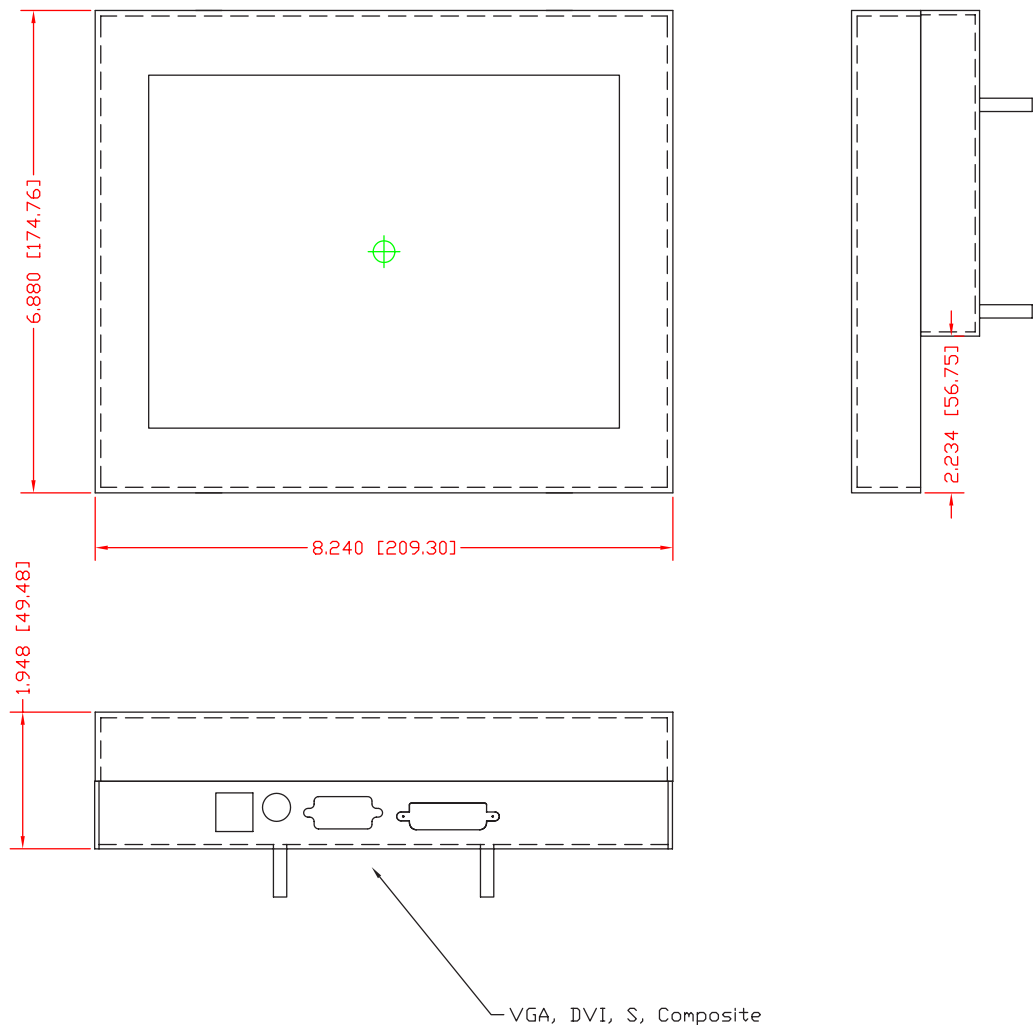
DVI, HD15 (VGA), DisplayPort,

HDMI, Composite, S-Video, HD-SDI, and/or NTSC-PAL

**Conformal Coating of all Internal Circuit Boards****Private Labeling Services****Extended Operational Temperature Ranges****Custom Video Modes****Customization Services****Dimming Capabilities:**

Standard, or Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming

# Mechanical Drawings



*These technical and mechanical resources are subject to change without notice.*



**AbraxSys**  
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