



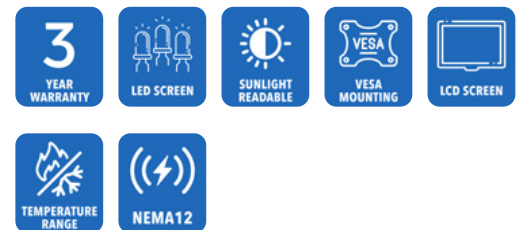
AbraxSys
RUGGED LCD SOLUTIONS

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" 800 x 600 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

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
1300 nits (cd/m2)

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

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

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

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

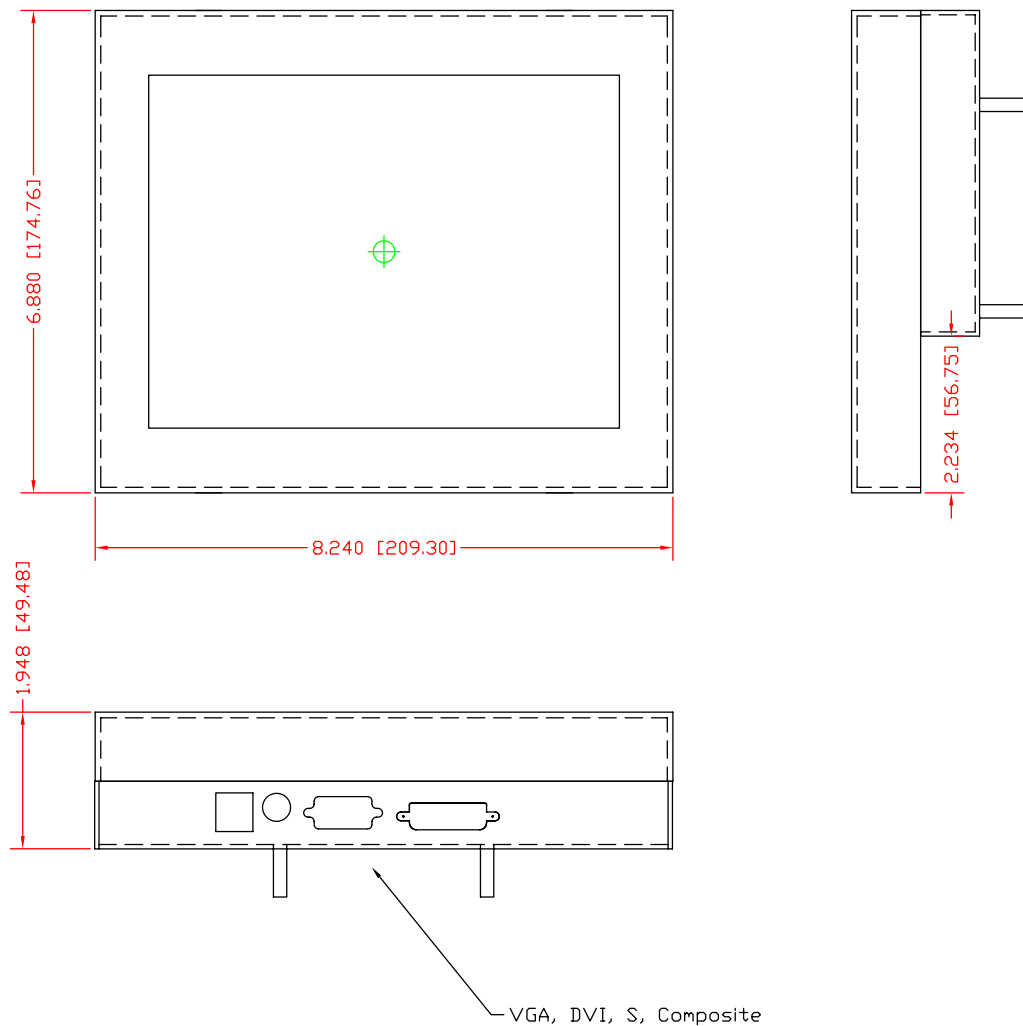
DVI, HD15 (VGA), DisplayPort,

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.



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(800) 883-9050

info@abraxsyscorp.com

www.abraxsyscorp.com

6161 Keller's Church Road, Units 6151B, 6161A, 6161B, 6171A & 6171B
Pipersville, Pennsylvania 18947 U.S.A.