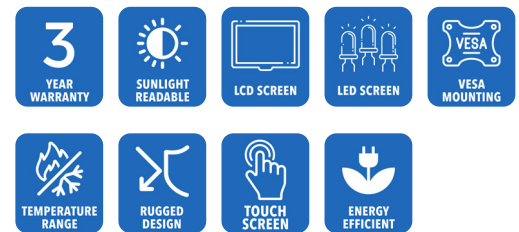# 12.1" Sunlight Readable High Brightness Industrial Grade VESA Mount Display Monitor

Model SRD-VM-121

Model SRD-VM-121 LCD monitor utilizes the latest 12.1" XGA (1024×768) TFT Flat Panels with Sunlight Readability Enhancements including (but not limited to) 1200 nits high-luminance LED backlighting and Ultra High Contrast Sun Readability 60:1 CR @10,000 Lux. 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 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.

3 YEAR WARRANTY	SUNLIGHT READABLE	LCD SCREEN	LED SCREEN	VESA MOUNTING
TEMPERATURE RANGE	RUGGED DESIGN	TOUCH SCREEN	ENERGY EFFICIENT	

HDMI   VGA

DVI   Display Port

Technical Specifications

General

Model:
SRD-VM-121

Display Size
12.1"

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/m2)

Contrast Ratio
600:1

Aspect Ratio
4:3

Resolution
1024 x 768

Colors Supported
16.2M

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

Panel Mounting
Pass Through or Rear Mount VESA

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

Overall Dimensions
11.246 x 9.098 x 2.5 in
(285.64 x 231.08 x 63.50mm)

Weight
6 lbs (2.72 kg)

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 85°C (-22°F to 185°F)

Storage Temperature
-40°C to 85°C (-40°F to 185°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
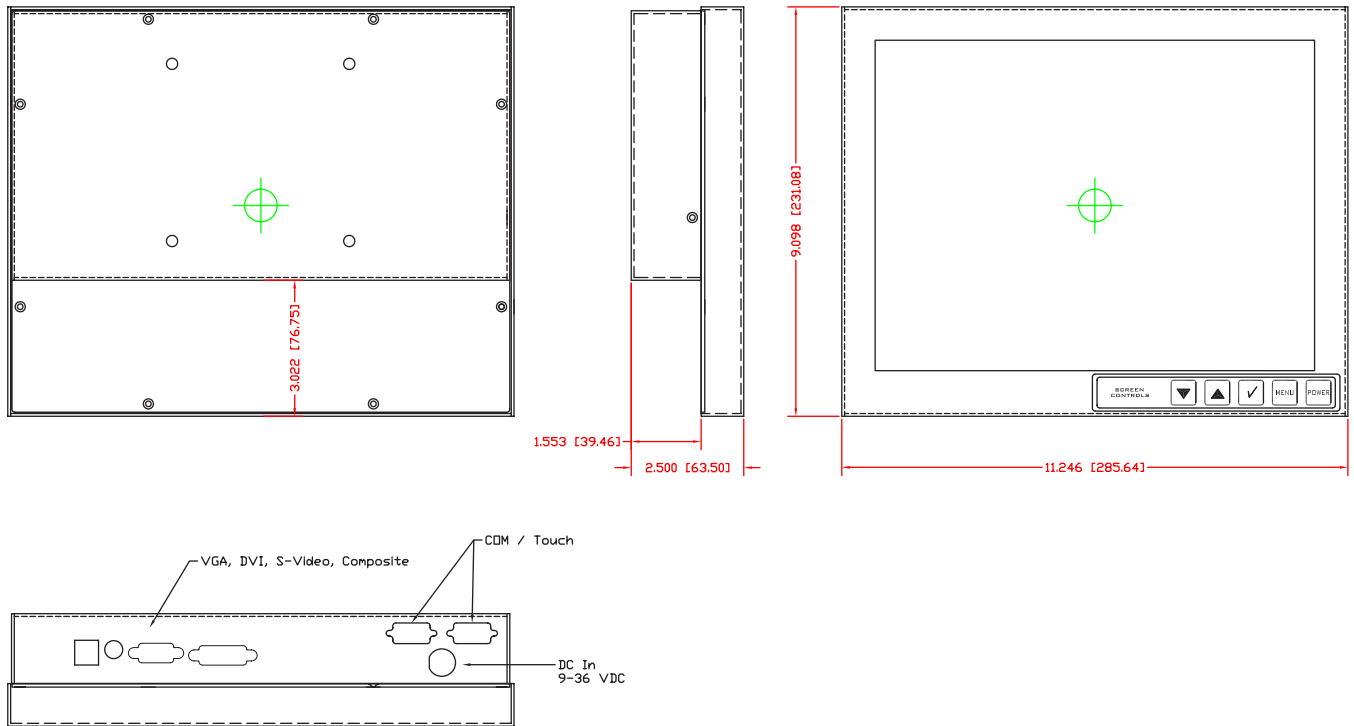
Video Input Options
DVI, HD15 (VGA), HDMI, and/or DisplayPort

Conformal Coating of all Internal Circuit Boards

Extended Operational Temperature Ranges

Customization Services

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

Custom Video Modes

Private Labeling Services

Mechanical Drawings

3.022 [76.75]

9.098 [231.08]

1.553 [39.46]

2.500 [63.50]

11.246 [285.64]

SCREEN CONTROLS ▼ ▲ ✓ MENU POWER

VGA, DVI, S-Video, Composite

COM / Touch

DC In
9-36 VDC

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