

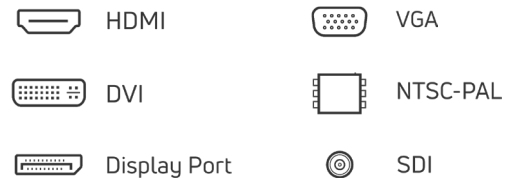
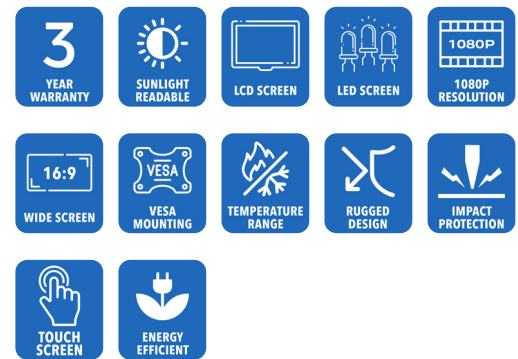


# 21.5" Sunlight Readable High-Bright 1080P High-Definition Industrial Grade NEMA 12 (IP52) Rugged VESA Mount LCD Monitor

## Model SRD-VM-215

AbraxSys Daylight Readable Industrial LCD Flat Panel Displays has been designed for industrial applications in the Control field and other users that require a 1920 x 1080 (1080P) compatible monitor with a small footprint, ultra-high brightness display (1200 nits) with good viewing angles. The rugged, metal construction of the monitor ensures exceptional stability, especially important when touchscreen operation is necessary.

Model SRD-VM-215 LCD monitor is a NEMA 12 (IP50) rated product and utilizes the latest 21.5" 1920 x 1080 (1080P) High-Def WIDE TFT Flat Panel. 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.



# Technical Specifications

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## General

**Model**  
SRD-VM-215

**Display Size**  
21.5"

**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>)

**Contrast Ratio**  
4300:1

**Aspect Ratio**  
16:9

**Resolution**  
1920 x 1080 (1080p)

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

**Viewing Angles**  
-89 to 89 Horizontal  
-89° to 89° Vertical

**Video Inputs**  
DVI, HD15 (VGA), HDMI, DisplayPort, S-Video, SDI, Composite

**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

**Overall Dimensions**  
12.74" (323.69mm) x 20.89" (530.64mm) x 3.04" (77.39mm)

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

**Sealability**  
NEMA 12

**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**  
-20°C to 70°C (-4°F to 158°F)

**Storage Temperature**  
-20°C to 70°C (-4°F to 158°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 / IP52

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## Additional Add-On Options

**Touch Screen Technology****Resistive****Multi-Touch Up to 10-Point PCAP****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**

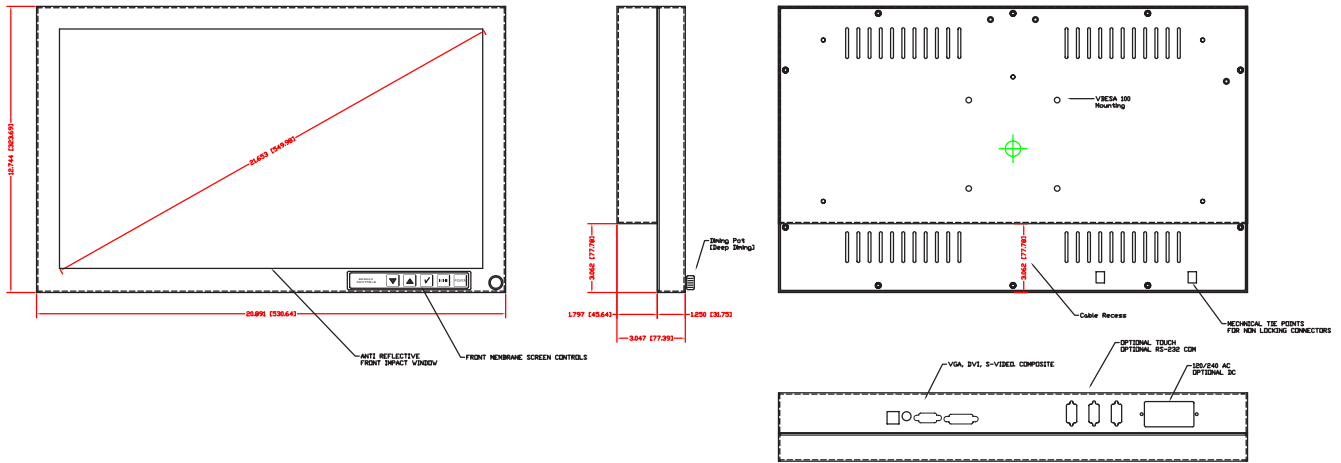
DVI, HD15 (VGA), DisplayPort, HDMI, Composite, S-Video, HD-SDI, and/or NTSC-PAL

**Custom Video Modes****Extended Operational Temperature Ranges****Customization Services****Dimming Capabilities**

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

**Conformal Coating of all Internal Circuit Boards****Private Labeling Services**

# Mechanical Drawings



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



**AbraxSys**  
RUGGED LCD SOLUTIONS

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