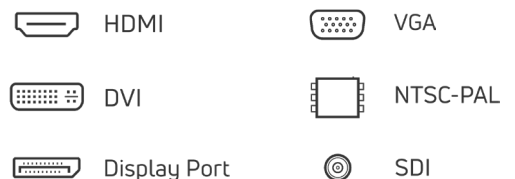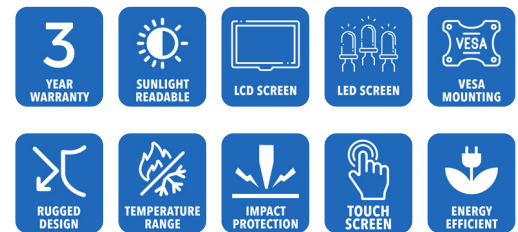# 19" Sunlight Readable High-Bright Industrial Grade NEMA 12 (IP52) Rugged VESA Mount LCD Monitor

Model SRD-VM-190

Model SRD-VM-190 LCD monitor utilizes the latest 19" SXGA 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 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**

RUGGED DESIGN **TEMPERATURE RANGE** **IMPACT PROTECTION** **TOUCH SCREEN** **ENERGY EFFICIENT**

HDMI   VGA

DVI   NTSC-PAL

Display Port   SDI

Technical Specifications

General

Model:
SRD-VM-190

Display Size
19.0"

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
1600 nits (cd/m2)

Contrast Ratio
1000:1

Aspect Ratio
5:4

Resolution
1280 x 1024 (SXGA) Native

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

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
14.878 x 17.836 x 3.560 in
(377.90 x 453.03 x 90.41mm)

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

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
-30°C to 85°C (-22°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

Multi-Touch Up to 10-Point PCAP

Hardened Armored Touch Technology

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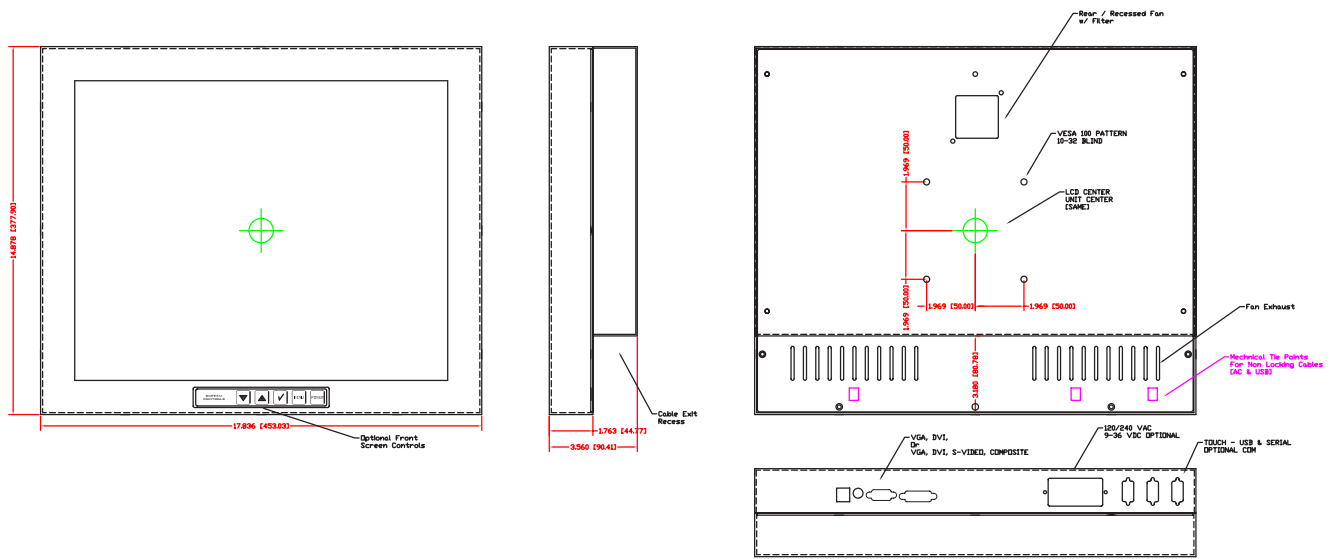DC; 9 to 36V DC; or 20 to 53V DC

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

**Extended Operational
Temperature Ranges**

Custom Video Modes

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.