



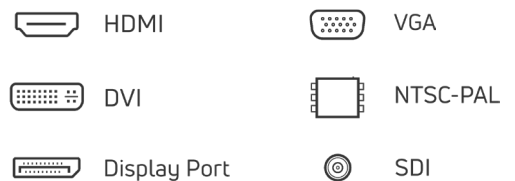
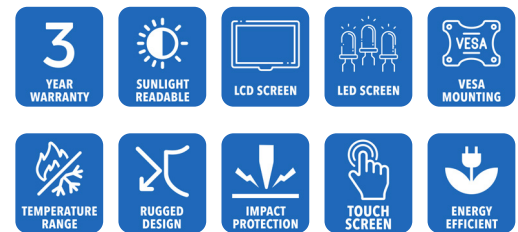
AbraxSys
RUGGED LCD SOLUTIONS

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

Model SRD-VM-170

Model SRD-VM-170 LCD monitor is a true daylight readable high brightness NEMA 12 (IP52) rated product and utilizes the latest 17" 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 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-FVM-170

Display Size

17.0"

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

1200 nits (cd/m²)

Dimming Capabilities

Deep Dimming Down to Black

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

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

Overall Dimensions

13.003 x 15.664 x 2.307 in

Warranty Period

3 Years

Environmental

Sunlight Readability

The latest optical technology for high ambient light conditions

Operating Temperature Range

-30°C to 70°C (-22°F to 158°F)

Storage Temperature

-30°C to 70°C (-22°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 / 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

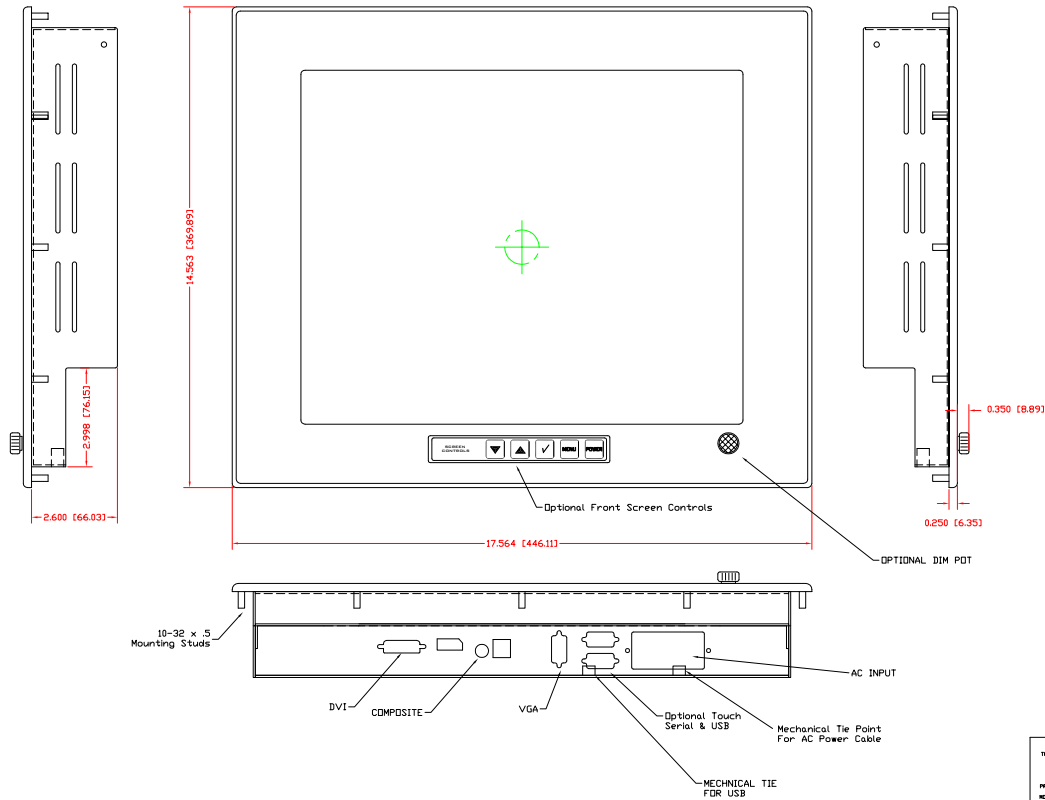
DVI, HD15 (VGA), DisplayPort, HDMI, Composite, S-Video, SDI, and/or NTSC-PAL

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



REV	DATE	DESCRIPTION
001	07/26/2011	CLEANED UP PRINT

TOLERANCE STANDARDS		ABRAXSYS		PG No. 712	
UNLESS OTHERWISE SPECIFIED	AS PER MIL-STD-1378	SCALE	AS SHOWN	UNLESS OTHERWISE SPECIFIED	AS SHOWN
THIS DRAWING IS THE PROPERTY OF ABRAXSYS	ALL RIGHTS RESERVED	DATE	07/26/2011	DRAWN BY	PM-170(T)
THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN	ANY OTHER USE IS PROHIBITED	DATE	07/26/2011	DESIGNED BY	PM-170(T)
THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN	ANY OTHER USE IS PROHIBITED	DATE	07/26/2011	CHECKED BY	PM-170(T)
THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN	ANY OTHER USE IS PROHIBITED	DATE	07/26/2011	APPROVED BY	PM-170(T)

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



AbraxSys
RUGGED LCD SOLUTIONS

(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.