



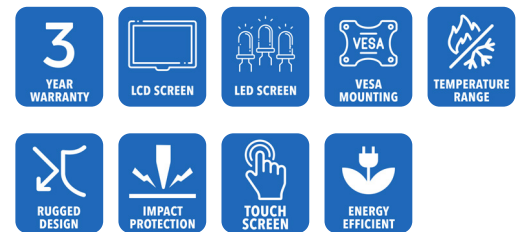
AbraxSys
RUGGED LCD SOLUTIONS

12.1" Industrial Grade VESA Mount LCD Flat Panel Monitor

Model VM-121

Model VM-121 LCD monitor utilizes the latest 12.1" XGA (1024×768) 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 rugged model offers exceptional shock and vibration safeguards and its housing is constructed of high grade aluminum which has been dipped in zinc-chromate and then finished with a resilient corrosive resistant thermal-set black powder-coating. This product is very ruggedly built, features long-life displays with no scheduled End Of Life. Incorporating the latest LCD and control electronics you are assured a display that will perform reliably in harsh industrial environments. Many configurations available, including our [Sun Readable SRD models](#).



 HDMI

 VGA

 DVI

 Display Port

Technical Specifications

General

Model: VM-121	Contrast Ratio 700:1	User Controls Multi-Functional User Keypad
Display Size 12.1"	Aspect Ratio 4:3	Optical Bonding Optional Optical Bonding of Front Protective Glass or Touch Screen Window (for more information about its benefits CLICK HERE)
Display Type Long-Life Industrial Grade LCD	Resolution 1024 x 768 (XGA) Native	Protective Window 3mm Hardened Protective Window, for more information CLICK HERE (also available various optional Touch Screen Technologies)
Backlight Technology Solid State, Long-Life LED – CLICK HERE for more information	Colors Supported 16.2M	Power Types 90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC
Brightness 500 nits (cd/m2)	Viewing Angles -80° to 80° Horizontal -80° to 80° Vertical	
Dimming Capabilities Multi-Functional User Keypad	Video Inputs DVI, HD15 (VGA), DisplayPort, HDMI	

Physical Attributes

Front Bezel Stainless Steel	Panel Mounting VESA 75 via 10-32 x .75 studs	Weight 6 lbs (2.72 Kg)
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)	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)
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Humidity

5% to 95% RH (non-condensing)

Shock

Operating: 30g's, 11ms, ½ Sine,
Non-Operating: 200G, 2ms, half
sine wave, 1 time for ± X, ± Y, ± Z.

Vibration

Operating: 1g RMS 20-500Hz,
Non-Operating: 1.5G, 10 ~ 300 Hz,
10min/cycle, 3 cycles each X, Y, Z

Fasteners

Vibration-proof, self-locking,
fastener system which will not
loosen regardless of seat torque.
Designed to help make products
safer, lower warranty costs
and prolong equipment life by
eliminating vibration; increased
safety, reliability, operating life
and reduced maintenance.

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

Additional Add-On Options

Touch Screen Technology**Resistive****Hardened Armored Touch
Technology****Video Input Options**

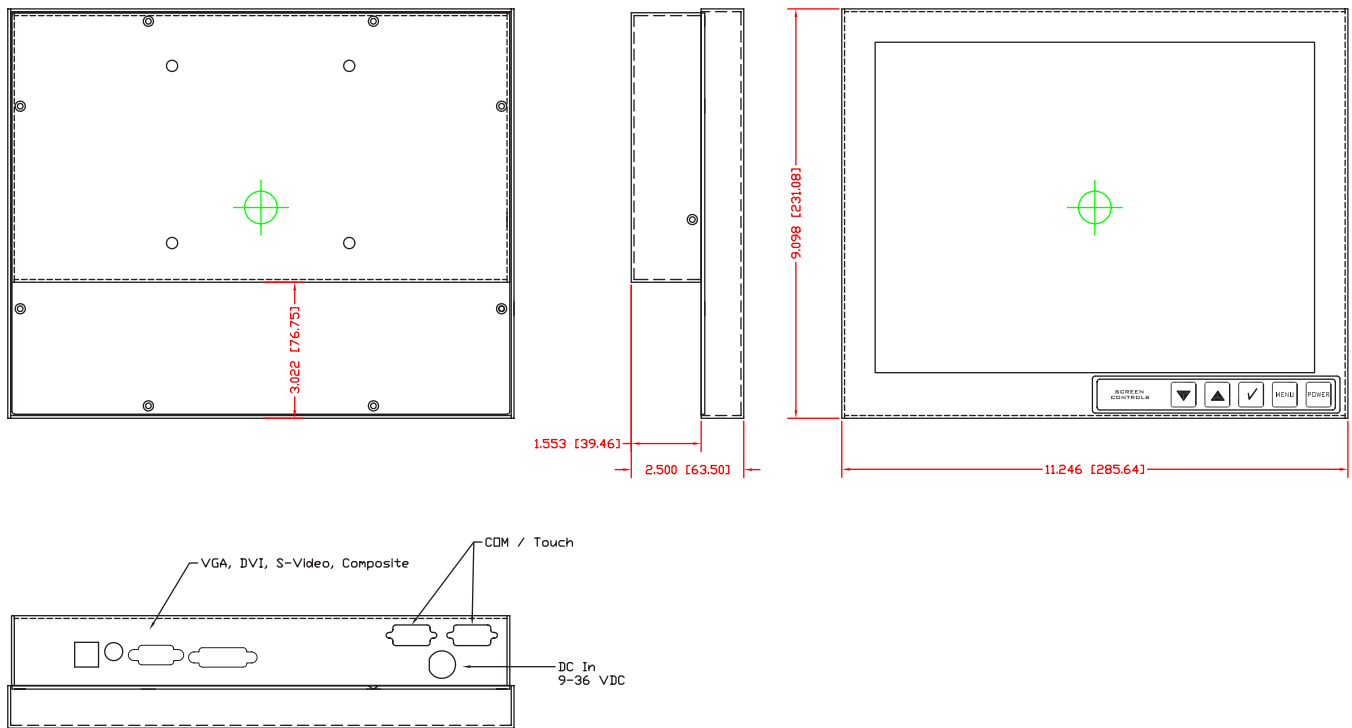
DVI, HD15 (VGA), DisplayPort,
and/or HDMI

Power Type Choices

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

Custom Video Modes**Extended Operational
Temperature Ranges****Conformal Coating of all
Internal Circuit Boards****Private Labeling Services****Customization Services****Sunlight Readable Model
Available**

Mechanical Drawings



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



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