

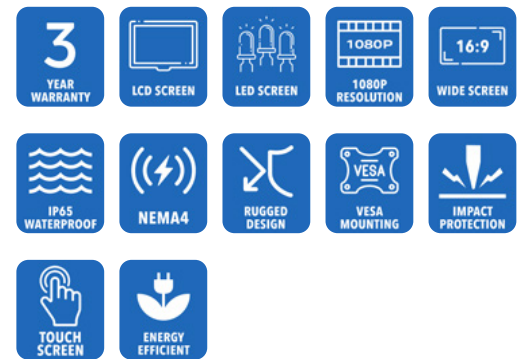


AbraxSys
RUGGED LCD SOLUTIONS

15.6" Industrial Grade Wide Video Format NEMA 4 (IP65) Rugged VESA Mount LCD Monitor

Model FVM-156

Model FVM-156 LCD monitor is a very rugged NEMA 4 (IP65) rated product and utilizes the latest 15.6" TFT Flat Panels, Full-High Definition 1920 x 1080. The enclosure is constructed of milled 6061 Grade Aluminum which has been Zinc-Chromate Dipped then treated with Corrosion Resistant Thermoset UV-stable Black Powder-Coating. 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.



 HDMI

 Display Port

 VGA

 NTSC-PAL

 DVI

 SDI

Technical Specifications

General

Model: FVM-156	Contrast Ratio 1500:1	Optical Bonding Optical Bonding
Display Size 15.6"	Aspect Ratio 4:3	Protective Window 3mm Hardened Protective Window, for more information CLICK HERE (also available various optional Touch Screen Technologies)
Display Type Long-Life Industrial Grade LCD	Resolution 1920 x 1080 (1080p)	Power Types 90 VAC to 264 VAC, 12V DC, 24V DC, 9 to 36V DC, 20 to 53V DC
Backlight Technology Long-Life Advanced LED Backlighting, over 100,000 Hours Half-Life	Colors Supported 16.7M (8-bit/color)	
Optical Films Enhancements Optical Bonding	Viewing Angles - 85° / 85° horizontal -85° / 85° vertical	
Brightness 400 nits (cd/m2)	Video Inputs DVI, HD15 (VGA), DisplayPort, Composite, S-Video, HD-SDI, HDMI	
Dimming Capabilities Front Keypad (can also be configured for rear controls), Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming	User Controls Front Keypad (can also be configured for rear controls, or Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming)	

Physical Attributes

Front Bezel Black Textured Finish per Military Standards FED-STD-595	Panel Mounting VESA 100mm	Sealability Standard Connectors, Fully-Sealed, Weather Proof Connectors (optional), Military 38999 Connectors (optional)
Rear Enclosure High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595	Overall Dimensions See Drawings	Sunlight Readability Sunlight Readable Model Available
	Cutout See Drawings	

Environmental

Sunlight Readability Sunlight Readable Model Available	Operating Temperature Range -20°C to 75°C (-4°F to 167°F)	Storage Temperature -20°C to 80°C (-4°F to 176°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 4X / IP66

Additional Add-On Options

Touch Screen Technology

(USB or Serial): Links to the
various touch technologies:

Resistive**Multi-Touch Up to 10-Point PCAP****Hardened Armored Touch
Technology****Video Input Options**

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

Dimming Capabilities

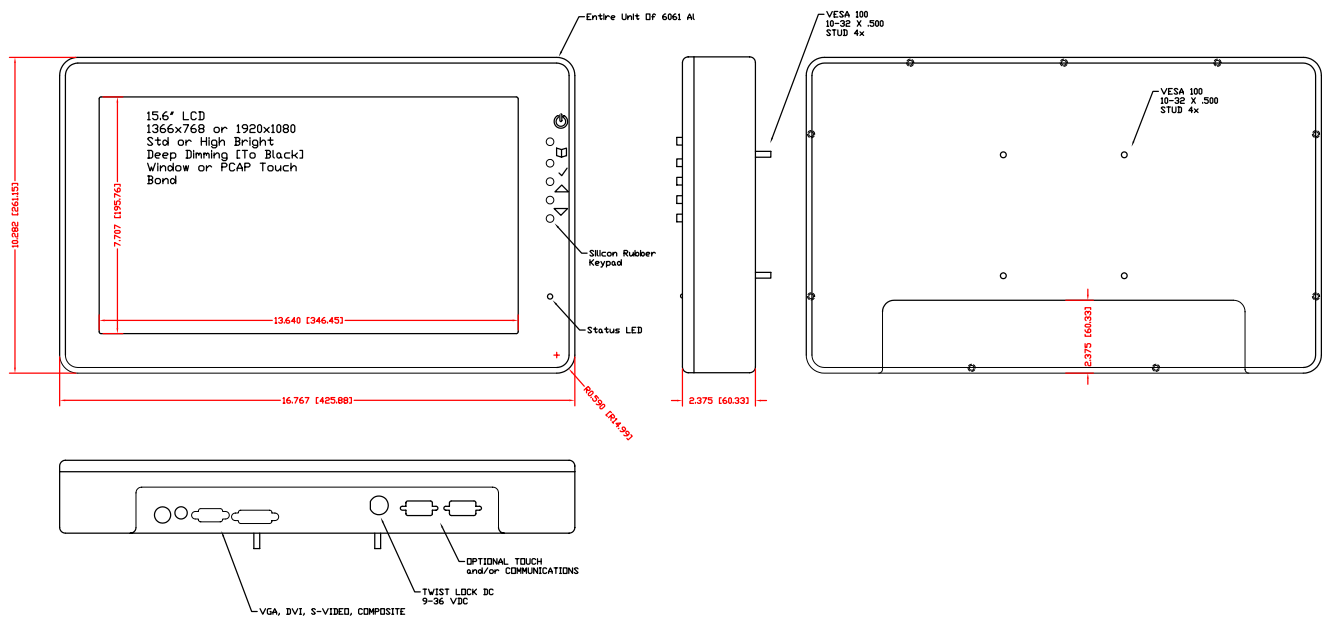
Can also be configured for rear
controls, or Manual Full-Range
Dimming Turn Pot, Automatic
Dimming Sensor, or Remote
Dimming

Custom Video Modes**Extended Operational
Temperature Ranges****Power Type Choices**

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

**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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