



VMMOB-19 Series

19" Daylight Viewable Industrial-Grade Monitors

- 19" TFT Active Matrix Color LCD
- Optically Bonded
- Protective Anti-Reflective Glass
- 450 Nits Brightness
- Operating Temperature: -22° to +185°F
- **TRU-Tuff** Ensures Maximum Shock & Vibration Resistance
- Auto Re-Start After Power Loss
- Lockable On-Screen Display Controls
- Can Be Customized to Meet Your Needs
- 3-Year Warranty

The VMMOB-19 Series are Optically-Bonded LCD monitors, designed to dramatically improve viewability in high ambient light conditions. The optical bonding process injects an optical-grade epoxy resin between the surface of the LCD panel and the outer protective glass, eliminating the air gap between the two. The outer glass surface has an Anti-Reflective coating. The net result is a dramatic reduction in unwanted reflections, and a tremendous increase in contrast ratio, making the monitor ideal for use in outdoor daylight or brightly lit areas. Optical Bonding also provides other benefits such as increased ruggedness and durability, prevents internal condensation or fogging, and makes the outer glass shatter-proof.

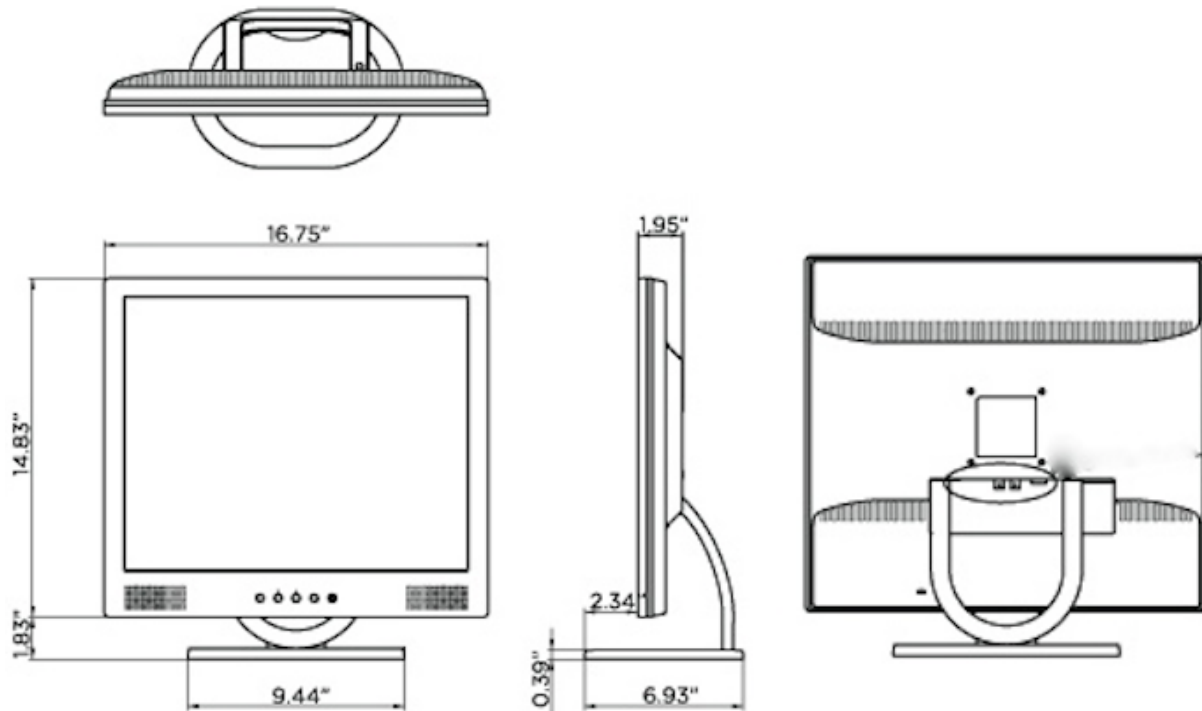
The VMMOB-19 Series Daylight Viewable LCD monitors are built with industrial-grade components, and receive our exclusive **TRU-Tuff** treatment. The **TRU-Tuff** process includes: RTV silicone on all connections and critical components; all wires are dressed, tie-wrapped and secured; and ThreadLock on all screws. This ensures maximum shock and vibration resistance. These monitors are ideal for a wide range of demanding applications including industrial, military, law enforcement, transportation, aviation, marine, inspection, surveying, cranes, oceanic, and entertainment.

	Specifications			
MODEL	VMMOB-19S	VMMOB-19B	VMMOB-19C	VMMOB-19B-24M
LCD Panel	19" Color LCD; LED Backlights			
Display Resolution	1280 x 1024 (SXGA)			
Viewable Area	14.81" (W) x 11.85" (H) (376.17 x 300.98 mm)			
Pixel Pitch	0.294mm x 0.294mm			
Display Colors	16.7 Million			
Aspect Ratio	4:3 (5:4)			
Brightness	450 nits			
Contrast Ratio	1000:1			
Viewing Angle	170° (H) x 160° (V)			
Response Time	5 msec Trf			
Control	OSD (On-Screen Display) via Front Panel Pushbuttons			
Video Inputs	VGA, S-Video, Composite NTSC/PAL Auto-Recognition	VGA, Composite (BNC Loop-Thru) NTSC/PAL Auto-Recognition	VGA, DVI-D	VGA, Composite (BNC Loop-Thru) NTSC/PAL Auto-Recognition
Analog Video In/Out	1 BNC Input	1 BNC Input/1 BNC Output	---	1 BNC Input/1 BNC Output
In/Output Impedance	75Ω / Auto Terminating Output		---	75Ω / Auto Terminating Output
Audio	Dual Front Speakers			
Power Requirement	12 VDC (2.1 mm Barrel Plug); 90-240 VAC via Included Power Brick			12-24 VDC
Power Consumption	37 Watts			
Enclosure	ABS			Powder-Coated Steel
Mounting	Rear 75 x 75mm Rear VESA Mount Holes			
Operating Temperature	-22° to +185°F (-30° to +85°C)			
Operating Altitude	To 18,000 Ft.			
Humidity	5-90% RH			
Shock	50 G (20 msec, 1/2 sine)			
Vibration	1.5G RMS 10-200 HZ			
Approvals	UL/cUL, FCC, CE, TUV, RoHS			
Dimensions	16.75" (W) x 14.83" (H) x 1.95" (D) (425.45 x 376.68 x 49.52 mm)			
Weight	12 lbs. (5.44 kg)			Approx. 16 lbs.
Warranty	3 Years			

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19" Daylight Viewable Industrial-Grade

Dimensions (ABS Enclosure):



Standard Accessories:

- 90-240 VAC Power Brick
- VGA Cable
- Audio Cable

Available Options:

- Tabletop Stand
- Direct 110 VAC Operation (no external power brick)
- Panel Mount
- 11-36 VDC Operation
- Touch Screen
- Open-Frame Configuration
- Private-Label
- Bolt-On Rack-Mount Bracket
- Other Customer - Specific Modifications