



VMXOB-12 Series

12" Daylight Readable LCD Monitor

- **Optical Bonding** Dramatically Reduces Reflections and Eliminates Image Wash-Out In Bright Conditions; Improves Image Contrast
- Produces Clear, Bright Images Even in Bright Daylight
- LED Backlights
- Anti-Glare Outer Glass
- High Shock & Vibration Resistance
- Internal Speaker
- 3 Year Warranty

The VMXOB-12 Series are Optically-Bonded LCD monitors, designed to dramatically improve viewability in bright daylight and other high ambient light conditions. The Optical Bonding process injects an optical-grade epoxy bond between the surface of the LCD panel and the outer protective glass, eliminating the air gap between the two. This eliminates two reflective surfaces, and drastically reduces image wash-out due to reflections. The outer glass surface also has an Anti-Reflective coating. The net result is a dramatic reduction in unwanted reflections, and an increase in contrast ratio, making the monitor much more suitable for use in brightly lit areas and daylight outdoors. Optical bonding also provides other benefits such as increased ruggedness and durability, as the epoxy bonds the LCD panel, the outer glass and the monitor enclosure to each other. It also prevents condensation or fogging, since eliminating the air gap between the LCD panel and the cover glass prevents moisture from penetrating. To learn more about optical bonding, click [HERE](#). To see a video of a live side-by-side comparison of an optically bonded, sunlight readable and standard LCD monitor, click [HERE](#).

For consistent use in direct bright sunlight, see our Sunlight Readable monitors at www.TRU-VuMonitors.com.

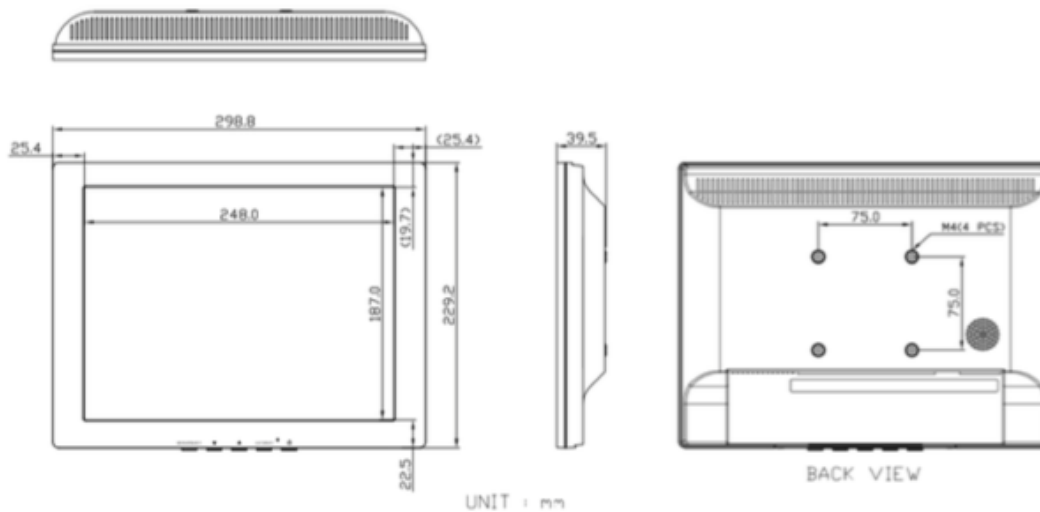
Specifications

MODEL	VMXOB-12H	VMXOB-12B
LCD Panel	12.1" Color LCD; LED Backlights	
Display Resolution	1024 x 768 (XGA)	
Display Area	9.68" (W) x 7.26" (H) (245.76 x 184.32 mm)	
Pixel Pitch	0.24 mm	
Display Colors	16.2 Million	
Aspect Ratio	4:3	
Brightness	500 nits	
Contrast Ratio	700:1	
Viewing Angle	160° (H) x 160° (V)	
Response Time	35 msec	
Control	OSD (On-Screen Display) via Front Panel Pushbuttons	
Video Inputs	VGA, HDMI	VGA, Composite Video (BNC-Loop-Thru) NTSC/PAL Auto Recognition
Power Requirement	12 VDC (90-240 VAC with Included Power Brick)	
Power Consumption	20 Watts	
Enclosure	ABS	
Mounting	75 mm x 75 mm VESA Hole Pattern	
Operating Temperature	-22° to + 140° F (-30° to +60° C)	
Dimensions	11.76" (W) x 9.02" (H) x 1.5" (D) (298.8 x 229.2 x 39.5 mm)	
Weight	3.7 lb (1.68 kg)	
Approvals	RoHS	UL/cUL, RoHS

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Dimensions:



Standard Accessories:

- 90-240 VAC Power Brick
- VGA Cable ("B" Model Only)
- HDMI Cable ("H" Model Only)

Available Options:

- Resistive Touch Screen
- Surface Capacitive Touch Screen
- Waterproof Enclosure
- S-Video Input
- 12-24 VDC Operation
- Open-Frame Configuration
- Private-Label