VMOB-12 Series

12" Optically-Bonded LCD Monitor

- Produces Clear, Bright Images Even in Bright Daylight
- Optical Bonding Dramatically Reduces Reflections and Image Wash-Out In Bright Conditions
- Anti-Reflective Outer Glass
- High Shock & Vibration Resistance
- Internal Speaker
- 3 Year Warranty

The VMOB-12B is an optically-bonded LCD monitor, designed to dramatically improve viewability in high ambient light conditions. Optical bonding is 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 a tremendous increase in contrast ratio, making the monitor much more suitable for use in brightly lit areas and 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. This 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 applications requiring a brighter display for consistent use in direct bright sunlight, a Sunlight Readable monitor may be required. See our SRM-12B, which features 1,000 nits brightness. Visit www.TRU-VuMonitors.com for more details.

Specifications

MODEL	VMOB-12A	VMOB-12B
LCD Panel	12" TFT Color LCD	
Resolution	800 x 600 (SXGA)	
Display Area	9.69" (W) x 7.26" (H)	
Pixel Pitch	0.3075 mm x 0.3075 mm	
Display Colors	16.2 Million	
Aspect Ratio	4:3	
Brightness	400 nit	
Contrast Ratio	700:1	
Viewing Angle	140° (H) x 110° (V)	
Response Time	35 msec	
Control	OSD (On-Screen Display) via Front Panel	
Video Inputs	VGA, S-Video, Composite, NTSC/PAL Auto-Recognition	VGA, Composite Video Loop-Thru (RCA in/BNC out), NTSC/PAL Auto-Recognition
Power Requirement	12 VDC (90-240 VAC with Included Power Brick)	
Power Consumption	20 Watts	
Enclosure	ABS	
Mounting	Included Base or 75 mm x 75 mm VESA Hole Pattern	
Operating Temperature	-22° to +185° F / -30° to +85° C	
Dimensions	11.7" (W) x 9.0" (H) x 1.75" (D) / 297.17 (W) x 228.6 (H) x 44.44 (D) mm	
Weight	5 lbs. / 2.3 kg	

TRU-Vu Monitors, Inc. | 925 E Rand Road Arlington Hts, IL 60004 | Ph: 847.259.2344 Fax 847.259.1817 | www.TRU-VuMonitors.com