



### VMOB-12B

#### Optically-Bonded LCD Monitor

- Ideal for Use Outdoors and in Bright Areas
- Extremely High Contrast Ratio (1,200:1)
- Dramatically Reduces Reflections and Image Wash-Out
- No Condensation Build-up or Fogging Between the Outer Glass and LCD Panel
- Anti-Reflective Outer Glass
- High Shock & Vibration Resistance

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. There is also no condensation or fogging, since eliminating the air gap between the LCD panel and the cover glass prevents moisture from penetrating.

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](http://www.TRU-VuMonitors.com) for more details.

### Specifications

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 Milion
Aspect Ratio	4:3
Brightness	400 nit
Contrast Ratio	1,200:1
Viewing Angle	140° (H) x 110° (V)
Response Time	35 msec
Control	OSD (On-Screen Display) via Front Panel
Video Inputs	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
Operating Temperature	32° to +122° F / (0° to +50° 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)