

VMOB-8.4 Series

8.4" Daylight Viewable LCD Monitors

- Optical Bonding Produces Clear, Sharp Images
- Even in Bright Daylight Conditions
- Anti-Glare Outer Glass Protects LCD Panel
- TRU-Tuff Ensures Maximum Shock & Vibration Resistance
- Can Be Customized To Meet Your Needs
- 3-Year Warranty



8.4" OUTDOOR LCD DISPLAY

The VMOB-8.4 Series is an optically-bonded 8.4 outdoor lcd display, which is a daylight viewable monitor. We design it for use as an outdoor screen in indirect sunlight. It is recommended for indoors where high ambient light decreased the view-ability of standard LCD monitors. The VMOB-8.4 Series features a [4:3 aspect ratio](#). Additionally, this 8.4" outdoor lcd display features an extremely wide operating temperature range. It has rear VESA mount holes, and our 3 year warranty.

What is Optical Bonding?

Some monitors have a sheet of glass over the LCD panel. This protects the panel from accidental or intentional damage. However, the glass also produces unwanted glare and reflections. Internal reflections in the air gap between the glass and the LCD panel diminish image quality even further. In order to combat this, monitors are optically bonded.

[Optical bonding](#) is the process of laminating protective glass or a touch screen panel to the LCD panel. An optical-grade resin is inserted between the glass and LCD. This completely fills the air gap. It will not only eliminate the internal reflections, but increase the contrast ratio. This makes the screen much more viewable in bright light conditions. Optical bonding will also eliminate internal moisture and condensation. Moreover, it will make the monitor more rugged and durable. Lastly, an Anti-Reflective coating is applied to the outside of the glass. Consequently, this will drastically reduce glare and surface reflections.

Optical bonding ensures monitors will be highly viewable in bright, indirect sunlight. If sunlight is falling directly onto the face of the monitor, our SRM or SX Series of [Sunlight Readable monitors](#) would be most advantageous. Our Sunlight Readable monitors provide 1,000 nits to 2,500 nits brightness. They are for use in direct sunlight.

EXTREME OPERATING TEMPERATURES

We design these daylight viewable screens to operate in nearly any environmental conditions. Whether in frigid conditions or blazing heat, these daylight monitors will survive and thrive. To clarify, some of these monitors will operate in temperatures down to -22°F (-30°C). They will also withstand brutal heat. Moreover, operating temperatures go up to +140°F (+60°C). Additionally, the rugged powder coated steel enclosure will assure years of reliable imaging performance. Specifically, typical [MTBF](#) for these monitors is 50,000 hours. These daylight readable lcd displays are also available with an optional waterproof enclosure.

DEPLOYED WORLDWIDE

Our 8.4" outdoor lcd display are deployed in a wide range of demanding industries. For example, [military](#), [law enforcement](#), aviation and [entertainment](#) benefit. You will also find them in the [inspection](#), [marine](#), [oil & gas](#), [industrial](#) and [transportation](#) industries. TRU-Vu monitors are backed by our full 3-Year Warranty. This ensures you of many years of reliable service.

See our full line-up of industrial-grade [Sunlight Readable and Daylight Readable](#) monitors and touch screens. This filters all of our monitors by high brightness features. Additionally, you'll find the sunlight readable monitors in all the sizes and configurations available. All [waterproof monitors](#) can be displayed and viewed on one page.

We specifically design all TRU-Vu industrial LCD monitors for use in demanding applications. Every TRU-Vu monitor utilizes industrial-grade components. We provide high-end LCD panels not found in retail/consumer-grade monitors. This ensures superior image quality, improved performance and greater durability. Lastly, our 3-Year Warranty guarantees you of reliable worry-free operation. We also have the service to back it up.

OUR TECHNICAL EXPERTS ARE READY TO HELP YOU FIND THE RIGHT DISPLAY

We offer over 540 LCD monitors and touch screens on our site. Selecting the ideal equipment or touch screen solution may be a bit overwhelming. To help narrow-down the choices, check out our [Advanced Search Tool](#). For example, this enables you filter by your own specific search requirements.

Finally, our team members are ready to help! We can determine the exact solution that will meet your specific needs . Certainly, TRU-Vu will help provide crystal-clear images for your operating requirements . Call [\(847\) 259-2344](tel:8472592344) today to speak with one of our specialists. Above all, we will listen. It’s one of the things we do best. Our professional advisors will ensure the monitor or touch screen you receive will be and do everything you had hoped it would!

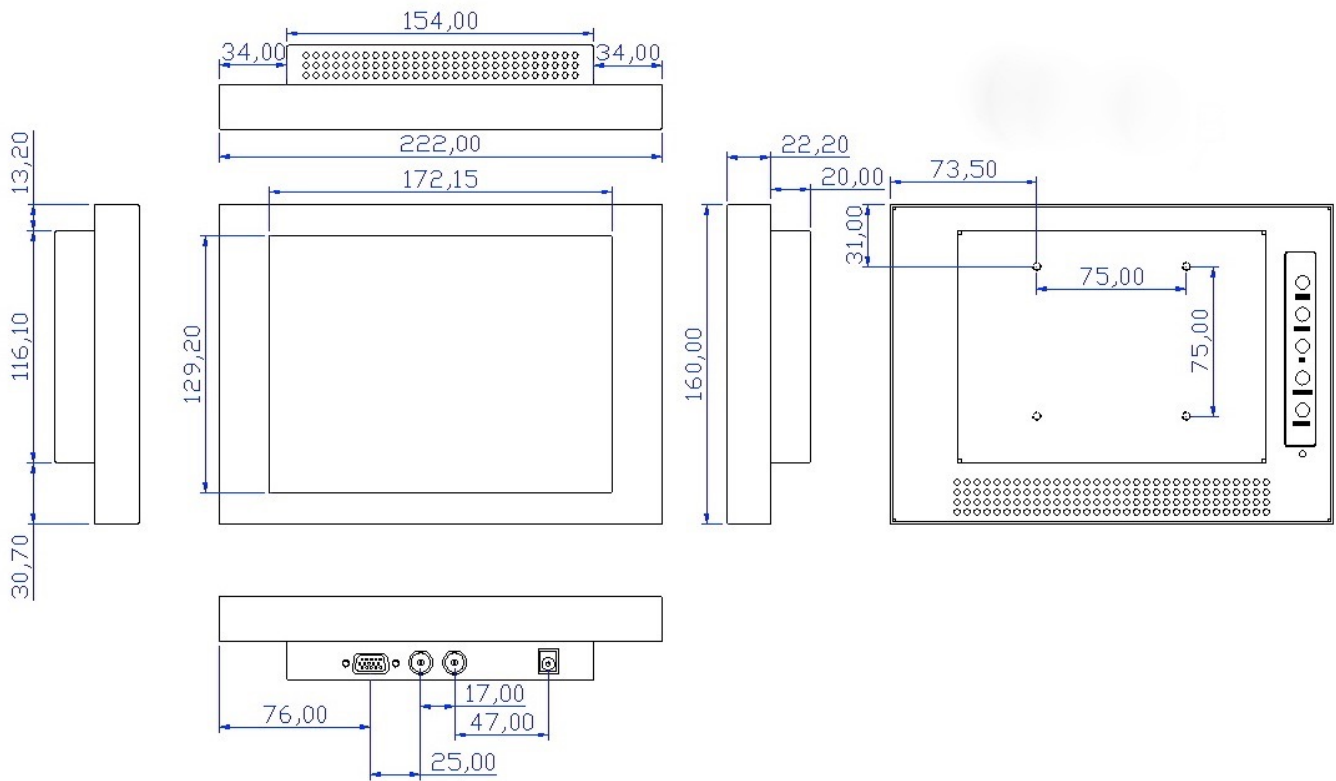
If you prefer, fill out a [quick form](#) with your requirements. We will be happy to guide you to the proper models that will perform best.

SPECIFICATIONS

	VMOB-8.4S-24	VMOB-8.4B-24
LCD Panel	8.4" Color LCD; LED Backlights	
Resolution	800 x 600 (SVGA)	
Viewable Area	6.71" (W) x 5.03" (H) (170.4 x 127.8 mm)	
Pixel Pitch	0.213 mm	
Display Colors	16.2M	
Aspect Ratio	4:3	
Brightness	450 nits	
Contrast Ratio	800:1	
Viewing Angle	160° (H) x 140° (V)	
Response Time	30 msec	
Control	OSD (On-Screen Display) via Rear Panel Pushbuttons	
Video Inputs	VGA, S-Video & Composite (BNC); NTSC/PAL (Auto-Detect)	VGA, Composite (BNC Loop-Thru), NTSC/PAL (Auto-Detect)
Power Requirement	12-24VDC (2.5mm Locking Barrel Plug Connector)	
Power Consumption	10.4W (866 mA @ 12 VDC)	
Enclosure	Powder-Coated Steel	
Mounting	75 X 75 mm Rear VESA Holes	
Operating Temperature	-22° to +140° F (-30° to +60°)	
Humidity	15-90 RH	
Shock	50G, 20ms, Half-sine wave	
Vibration	1.5G (10-200 Hz, P-P) 30 mins./axis (X,Y,Z)	
Dimensions	8.74" (W) x 6.30" (H) x 1.66" (D) (222 x 160 x 42.20 mm)	
Weight	2.87 lbs. (1.30kg)	

Note: Specifications subject to change without notice.

DIMENSIONS (MM)



Standard Accessories:

- Power Pigtail Wire

Available Options:

- Move OSD Control Buttons onto Front Bezel
- DVI Video Input
- 110VAC Power Supply
- Panel Mount
- Open-Frame Configuration
- Private Label
- Wall Mount or Tabletop Bracket
- Other Customer - Specific Modifications