

## VMOB-8.4S

### 8.4" Daylight Viewable LCD Monitors

- Optical Bonding Produces Clear, Sharp Images
- Even in Bright Daylight Conditions
- *TRU-Tuff* Ensures Maximum Shock & Vibration Resistance
- Can Be Customized To Meet Your Needs
- 3-Year Warranty



### 8.4" OUTDOOR LCD DISPLAY

The VMOB-8.4S 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-8.4S 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.

### DAYLIGHT SCREEN WITH EXTREME OPERATING TEMPERATURES

We design these daylight viewable monitors 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 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.

#### DAYLIGHT VIEWABLE MONITORS 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.

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 BEST DAYLIGHT SCREEN

We offer over 200 LCD monitors and touch screens on our site. Selecting the ideal equipment or daylight screen solution may be a bit overwhelming. To help narrow-down the choices, check out our [Advanced Search Tool](#). See our full line-up of industrial-grade [Sunlight Readable](#) and [Daylight Readable](#) options and models. This highlights all of our high brightness monitors. Additionally, you'll find the sunlight readable touch screens in all the sizes and configurations available. See our full line of [24VDC displays](#), or shop by the size of [7 to 12" industrial monitors](#). View all monitors that feature a [4:3 aspect ratio](#).

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 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.

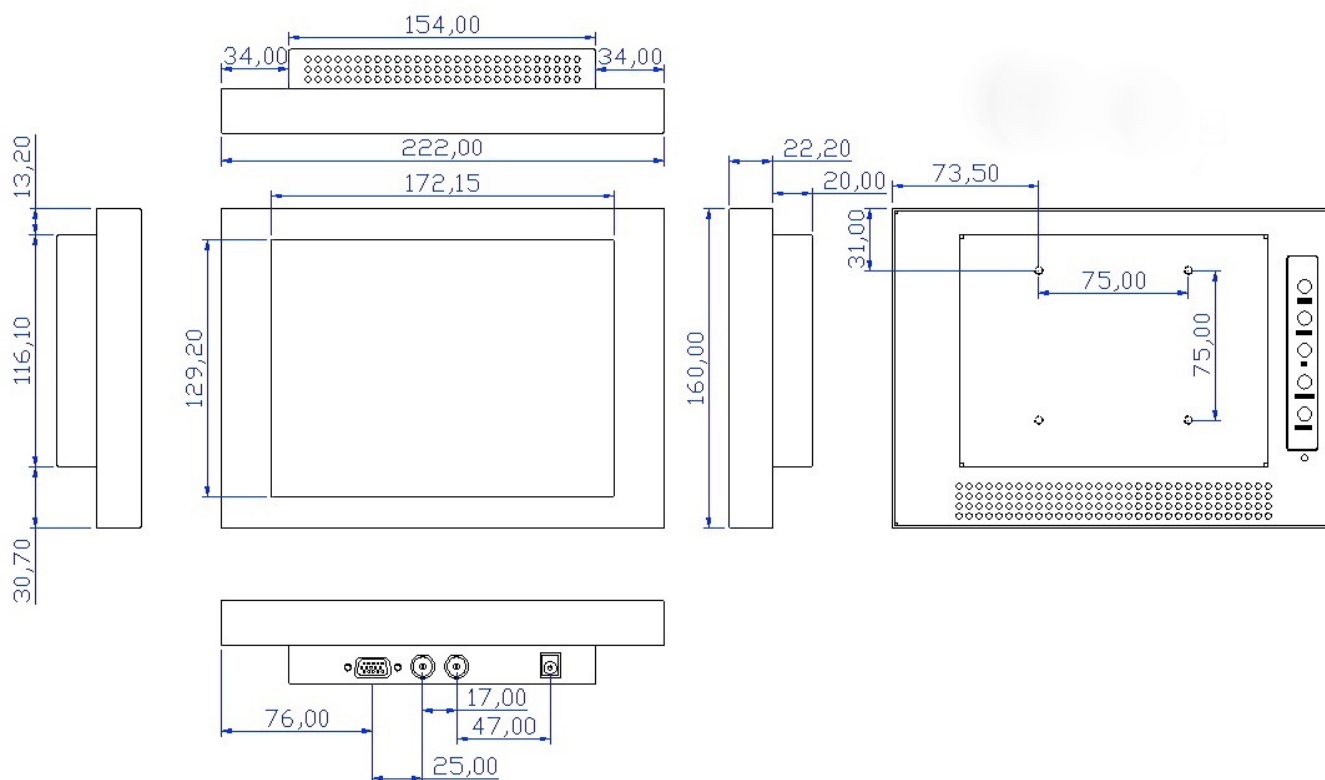
#### SPECIFICATIONS

	<b>VMOB-8.4S</b>
LCD Panel	8.4" Color LCD; LED Backlights
Screen Treatment	Optical Bonding
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

	<b>VMOB-8.4S</b>
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)
Power Requirement	12VDC / 90-240VAC
Power Consumption	10.4W (866 mA @ 12 VDC)
Enclosure	Painted Steel
Mounting	75 X 75 mm Rear VESA Holes (M4 x 6mm Screws)
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:

- 90-240 VAC Power Supply

**Available Options:**

- 5-Wire Resistive Touch Screen (VMOBTR-8.4C-24)
- Surface Capacitive Touch Screen (VMOBTC-8.4C)
- 90-240 VAC via PS-12-LC Power Supply
- Move OSD Control Buttons onto Front Bezel
- DVI Video Input
- Open-Frame Configuration
- Private Label
- Wall Mount or Tabletop Bracket
- Other Customer - Specific Modifications