

## **VMOB-15B-36**

### **15" Daylight Viewable Monitor**

- Optically Bonded for Increased Contrast Ratio and Image Quality
- Ideal for Use in Brightly-Lit Conditions, and Indirect Sunlight
- Video Inputs: VGA, S-Video, Composite BNC Loop-Thru
- 9-36 VDC Operation
- Auto Re-Start After Power Loss with Lockable On-Screen Display Controls
- Compact Housing: Only 1.5" Deep
- 3-Year Warranty



## **15" DAYLIGHT VIEWABLE MONITOR**

The VMOB-15B-36 is an optically-bonded 15" 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-15B-36 features a 4:3 aspect ratio. Additionally, this 15" outdoor monitor 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.

## LCD WITH 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 32°F (0°C). They will also withstand brutal heat. Moreover, operating temperatures go up to +149°F (+65°C). Additionally, the ABS 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 15" daylight viewable monitors 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. Consequently, 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 15 INCH 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. View 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. See all of our [mid-size monitors](#) between 13 and 19 inches for further selections or view [24VDC monitors](#). TRU-Vu can provide modified or [Custom OEM LCD Displays](#). [Private Label Monitors](#) are also an option if you have very specific requirements. Visit our wide range of [LCD monitor mounts and stands](#) to complete your installation.

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-15B-36</b>
LCD Panel	15" Color LCD
Resolution	1024 x 768 (XGA)
Viewable Area	11.97" (W) x 8.98" (H) (304.12 x 228.09 mm)
Pixel Pitch	0.297mm x 0.297mm
Display Colors	16.2 Million
Aspect Ratio	4:3

	<b>VMOB-15B-36</b>
Brightness	350 nits
Contrast Ratio	700:1
Viewing Angle	160° (H) x 150° (V)
Response	8 msec Trf
Control	OSD (On-Screen Display) via Front Panel Pushbuttons
Video Inputs	VGA, Composite (BNC Loop-Thru)
Audio	Optional
Power	9-36 VDC
Power Consumption	25 Watts
Enclosure	ABS
Mounting	75x75mm VESA Holes
Operating	32° to 149°F (0° to 65°C)
Humidity	5-90% RH
Shock	50 G (20 msec, ½ sine)
Vibration	1.5G RMS 10-200 HZ
Approvals	UL/cUL, FCC, CE, TUV, RoHS
Dimensions	13.7" (W) x 11.66" (H) x 1.5" (D) / 347.97 (W) x 294.64 (H) x 38.09 (D) mm
Weight	6.2 lbs. / 2.8 kg

Note: Specifications subject to change without notice.