

VMOBX-15.6 Series

15.6" Daylight Readable LCD Monitor

- Optical Bonding Dramatically Reduces Reflections and Eliminates Image Wash-Out In Bright Conditions; Improves Image Contrast
- Produces Clear, Bright Images Even in Bright Daylight
- LED Backlights
- Anti-Glare Protective Glass
- High Shock & Vibration Resistance
- 3-Year Warranty



15.6" DAYLIGHT VIEWABLE MONITOR

The VMOBX-15.6 Series is an optically-bonded 15.6" daylight viewable monitor. We design it for use as an outdoor display in indirect sunlight. It is also recommended for indoors where high ambient light decreased the view-ability of standard LCD monitors. The VMOBX-15.6 Series features a **16:9 aspect ratio**. Additionally, this 15.6" outdoor monitor display features an extremely wide operating temperature range. It has rear VESA mount holes, and our 3 year warranty. For longer transmission distances, the VMOBX-15.6Z features an HD-SDI input.

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.

MONITORS 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 14°F (-10°C). They will also withstand brutal heat. Moreover, operating temperatures go up to +158°F (+70°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.

BENEFITS AND APPLICATIONS OF DAYLIGHT VIEWABLE MONITORS

Our 15.6" daylight monitor is 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 all of our mid size monitors between 13.3 and 19 inches for further selections.

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 EXPERTS WILL HELP YOU FIND THE BEST INDUSTRIAL LCD DISPLAY

We offer over 200 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 13.3" to 19" monitors can be displayed and viewed on one page. We also offer our 15.6" monitors/ touch screens as Medical Grade Display solutions. TRU-Vu can provide modified or Custom OEM LCD Displays. Private Label Monitors are also an option if you have very specific 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 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.

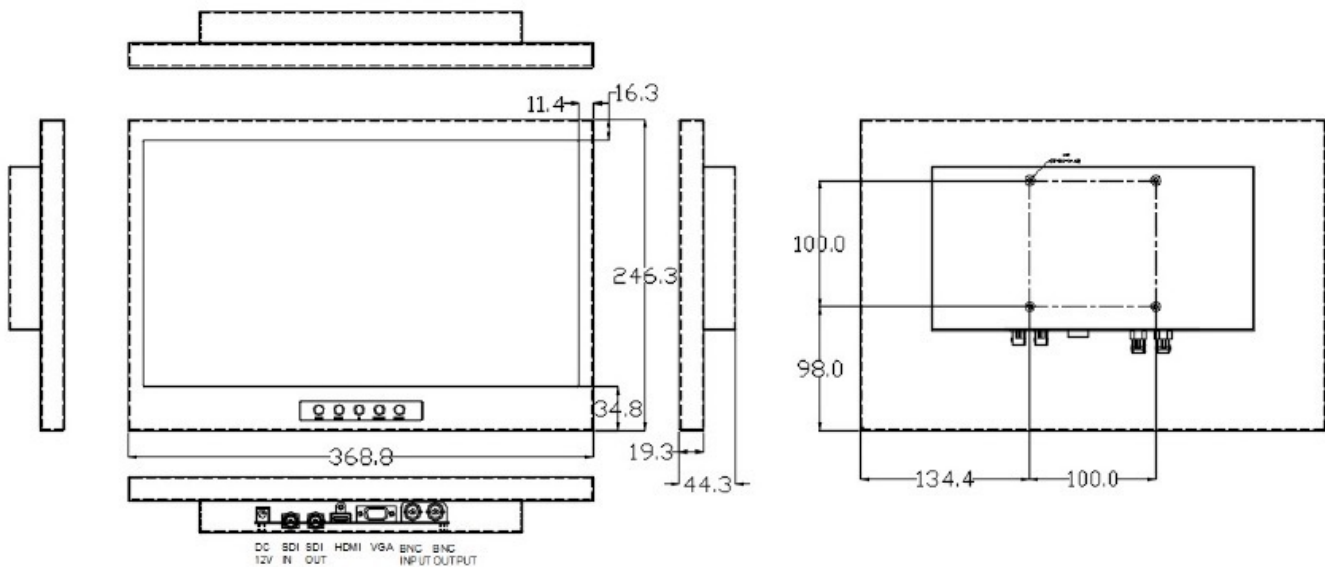
SPECIFICATIONS

	VMOBX-15.6R	VMOBX-15.6Z
LCD Panel	15.6" Color TN LCD; LED Backlights	
Display Resolution	1920 x 1080 Full HD	

	VMOBX-15.6R	VMOBX-15.6Z
Display Area	13.55" (W) x 7.62" (H) (344.16 x 193.59 mm)	
Pixel Pitch	.17925 mm	
Display Colors	16.7 Million	
Aspect Ratio	16:9	
Brightness	400 nits	
Contrast Ratio	700:1	
Viewing Angle	160° (H) x 140°(V)	
Response Time	8 msec Trf	
Control	OSD (On-Screen Display) via Front Panel Pushbuttons	
Video Inputs	VGA, HDMI, DisplayPort	VGA, HDMI, BNC Loop-Thru, HD SDI
Power Requirement	12 VDC / 90-240 VAC	
Power Consumption	20 Watts	
Enclosure	Powder-Coated Steel	
Mounting	100 mm x 100 mm VESA Hole Pattern	
Operating Temperature	14° to + 158° F (-10° to +70° C)	
Dimensions	14.52" (W) x 9.69" (H) x 1.74" (D) / 368.8 (W) x 246.3 (H) x 44.3 (D) mm	
Weight	9.6 lbs (4.35 kg)	
Approvals	RoHS	

Note: Specifications subject to change without notice.

DIMENSIONS (MM)



Standard Accessories:

- 90-240 VAC Power Adapter with Locking Connector (PS-12-LC)
- Power Pigtail with Locking Connector

Available Options:

- Move OSD Control Buttons onto Front Bezel
- DVI Video Input
- 11-36 VDC Operation
- Panel Mount
- Open-Frame Configuration
- Private Label
- Wall Mount or Tabletop Bracket
- Other Customer- Specific Modifications