

## VMOBX-15.6Z

### 15.6" Daylight Readable LCD Monitor

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- <li>Optical Bonding Dramatically Reduces Reflections and Eliminates Image Wash-Out In Bright Conditions; Improves Image Contrast</li>
- <li>Produces Clear, Bright Images Even in Bright Daylight</li>
- <li>LED Backlights</li>
- <li>Anti-Glare Protective Glass</li>
- <li>9-36VDC</li>
- <li>High Shock & Vibration Resistance</li>
- <li>3-Year Warranty</li>
- <li>TAA Compliant</li>
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## 15.6" DAYLIGHT VIEWABLE MONITOR

The VMOBX-15.6Z 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. The VMOBX-15.6Z features an HD-SDI input for longer transmission distances.

### 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 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 to 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!

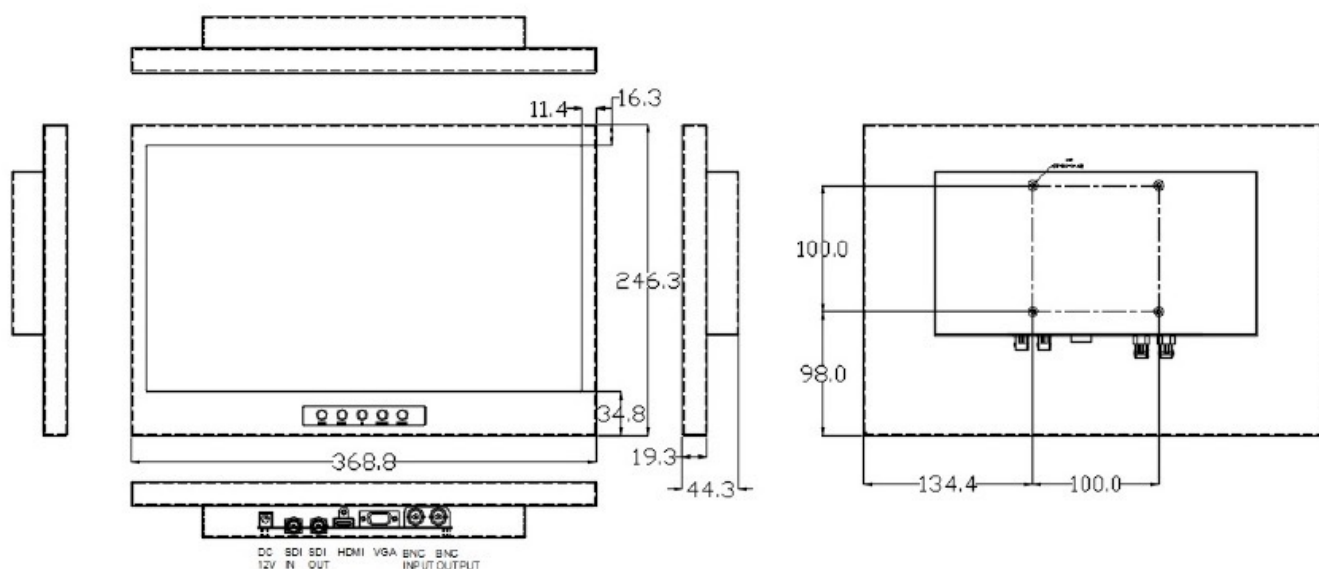
If you prefer, fill out a **quick form** with your requirements. We will be happy to guide you to the proper models that will perform best.

## **SPECIFICATIONS**

|                       | <b>VMOBX-15.6Z</b>                                  |
|-----------------------|---|
| LCD Panel             | 15.6" Color TN LCD; LED Backlights                  |
| Screen Treatment      | Optically Bonded with Anti-Reflective Glass         |
| Display Resolution    | 1920 x 1080 Full HD                                 |
| 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            | 450 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, BNC Loop-Thru, HD-SDI                    |
| Power Requirement     | 9-36 VDC with 2.5mm Locking Pigtail                 |
| Power Consumption     | 20 Watts  |
| Enclosure             | Painted Steel                                       |
| Mounting              | 75 mm x 75 mm VESA Hole Pattern                     |
| Operating Temperature | 14° to + 158° F (-10° to +70° C)                    |
| Dimensions            | TBD   |
| Weight                | TBD   |
| Approvals             | RoHS  |

Note: Specifications subject to change without notice.

## DIMENSIONS (MM)



<h6>Standard Accessories:</h6>

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- <li>2.5mm Power Pigtail with Locking Connector</li>

- <li>HDMI Cable</li>

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###### Available Options:</h6>

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- <li>DisplayPort Input (VMOBX-15.6R)</li>

- <li>DVI Video Input</li>

- <li>Panel Mount</li>

- <li>Open-Frame Configuration</li>

- <li>Private Label</li>

- <li>Wall Mount or Tabletop Bracket</li>

- <li>Other Customer- Specific Modifications</li>

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