VMOB-10.4U-24

10.4” Daylight Readable Outdoor LCD Displays



- Optical Bonding Produces Clear, Bright Images Even in Bright Daylight Conditions
- Anti-Glare Protective Outer Glass
- *TRU-Tuff* Ensures Maximum Shock & Vibration Resistance
- Auto Re-Start After Power Loss
- Rugged Steel Enclosure
- Can Be Customized To Meet Your Needs
- 3-Year Warranty
- TAA Compliant

10.4″ OUTDOOR MONITOR

The VMOB-10.4U-24 monitors are optically-bonded 10.4″ outdoor monitors which are daylight viewable displays. We design them for use as an outdoor screen in indirect sunlight. They are recommended for indoors where high ambient light decreased the view-ability of standard LCD monitors. The VMOB-10.4U-24 monitors feature a 4:3 aspect ratio. Additionally, these 10.4″ outdoor monitor displays features an extremely wide operating temperature range. They have 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 SXOBSeries 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.

OUTDOOR 10.4″ MONITOR WITH HIGH 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 +176°F (+80°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.

TRU-VU 10.4″ MONITORS DEPLOYED WORLDWIDE

Our 10.4″ 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 all of our small monitors between 7 and 12 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 TECHNICAL EXPERTS ARE READY TO HELP YOU FIND THE BEST OUTDOOR DISPLAY

We offer over 200 LCD monitors and touch screens on our site. Selecting the best daylight viewable monitor with optical bonding 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 important features. 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. See our full line of 24VDC displays, or shop by the size of 7 to 12″ industrial monitors.

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.

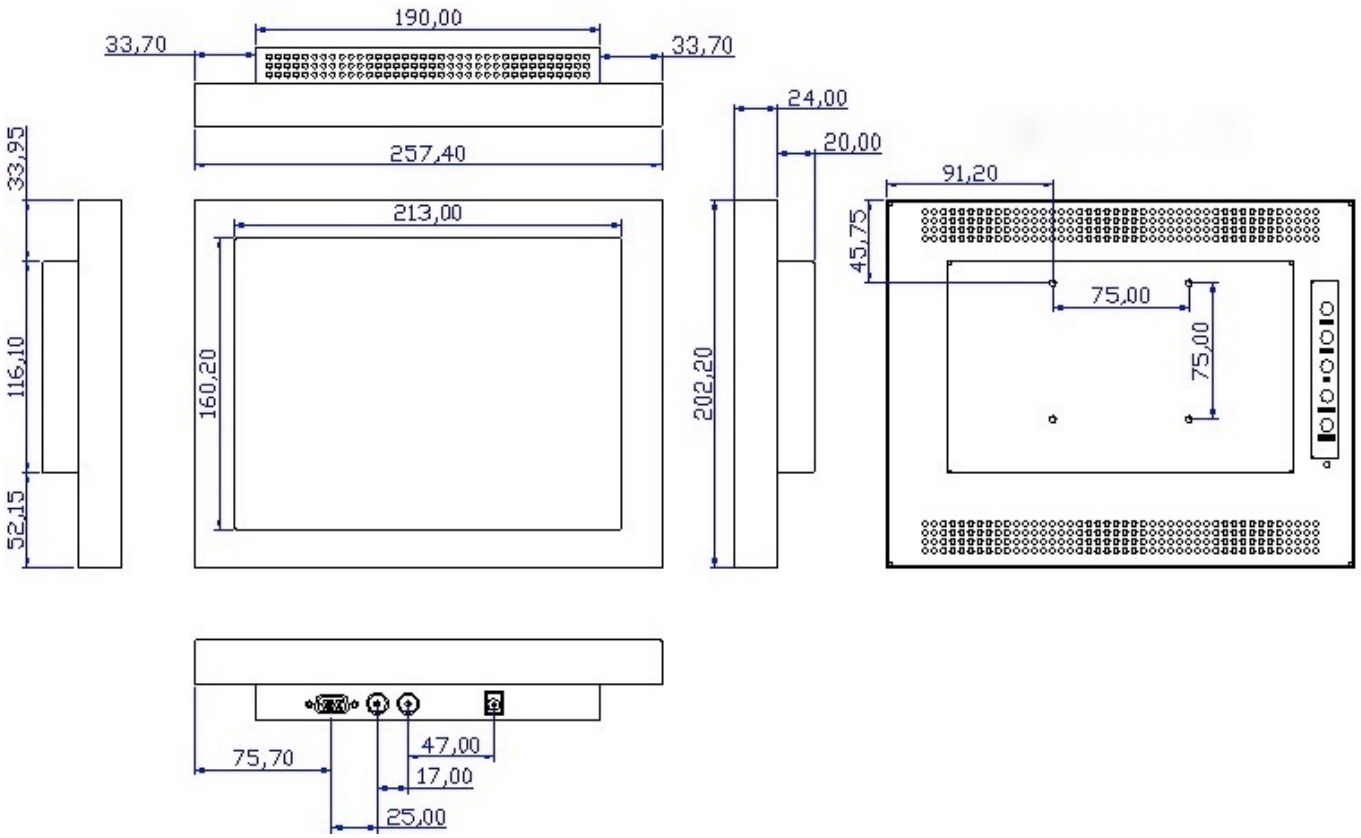
SPECIFICATIONS

	VMOB-10.4U-24
LCD Panel	10.4" LCD; LED Backlights
Native Resolution	800 x 600
Aspect Ratio	4:3
Viewable Area	8.31" (W) x 6.24" (H) (211.2 x 158.4 mm)
Pixel Pitch	0.264 mm
Display Colors	16.2 M
Brightness	400 nits
Contrast Ratio	700:1
Viewing Angle	160º (H) x 130º (V)
Response Time	15 msec (Tr+Tf)
Video Inputs	VGA, HDMI, Composite (BNC Loop-Thru)
Touch Technology/Interface	N/A
Control	OSD (On-Screen Display) via Rear Panel Pushbuttons
Power Input	12-24VDC (90-240VAC via Optional AC Power Adapter)
Power Consumption	10.4W
Operating Temperature	-22° to 176° F (-30° to +80° C)

	VMOB-10.4U-24
Enclosure/Material	Painted Steel
IP Rating	IP20
VESA Pattern	75 x 75 mm Rear VESA Mount Holes (M4 x 6mm Screws)
Dimensions	10.13” (W) x 7.96” (H) x 1.73” (D) (257.4 x 202.2 x 44 mm)
Weight	3.9 lbs (1.77 kg)
Humidity	5-90% RH
Shock	50 G (20 msec, 1/2 sine)
Vibration	1.5G (10-200 Hz, P-P) 30 mins./axis (X,Y, Z)
Certifications/Approvals	RoHS, REACH
Warranty	3 Years

Note: Specifications subject to change without notice.

DIMENSIONS (MM)



Standard Accessories:

- 90-240 VAC Power Adapter (VMOB-10.4B-24 Only)
- Locking Power Pigtail

Available Options:

- 36 VDC Operation (VMOB-10.4B-36)

- S-Video Input (VMOB-10.4S-24)
- DVI Input (VMOB-10.4C-24)
- Move OSD Control Buttons onto Front Bezel
- Dual BNC Inputs
- Open-Frame Configuration
- Private Label
- Waterproof Enclosure
- Panel Mount
- Available in 8.4"
- Other Customer – Specific Modifications