VMTR-10.1 Series

10.1” Industrial-Grade Touch Screen Monitor

- 5-Wire Resistive Touch Screen
- Available with Optical Bonding
- 1280 x 800 (WXGA) Resolution
- Video Inputs: VGA, HDMI, DisplayPort
- Lockable On-Screen Display (OSD) Controls
- Auto Re-Start After Power Loss
- *TRU-Tuff* Ensures Maximum Shock/Vibration Resistance
- 3 Year Warranty

10.1” RESISTIVE TOUCH SCREEN

The VMTR-10.1 Series are 10.1″ Touch Screen monitors. They utilize 5-wire resistive touch screen technology. The screen can be activated via a finger, gloved hand, credit card or stylus. State-of-the-art LED backlights produce images that are exceptionally clear and bright. An extensive list of OEM options enables you to customize the VMTR-10.1 Series 10.1″ touch screen monitors to meet your exact needs.

To help you guide you through the advantages of the 5 most common types of touch technology, see our tutorial on touch screen basics.

Our convenient touch screen comparison chart will provide a quick overview of advantages and disadvantages of each type.

INDUSTRIAL HEAVY-DUTY TOUCH SCREEN

The VMTR-10.1 Series are industrial 10.1” resistive touch screens. They offer 1280 x 800 (WXGA Accepts up to 1920 x 1080p) Input or 1280 x 720 resolution and a 16:10 aspect ratio. Additionally, the panels offer between 350 and up to 750 nits brightness. They are ideal for use with analog cameras, and BNC cameras. Likewise, many legacy machine vision systems benefit. Furthermore, we build them with true industrial-grade components for long-term reliability. For example, they receive our exclusive TRU-Tuff treatment. Moreover, the TRU-Tuff process includes RTV silicone on all connections and critical components.

Additionally, all wires are dressed, tie-wrapped and secured. Lastly, we apply ThreadLock to all screws to ensure they remain secured. Most importantly, this results in a rugged, dependable monitor you can rely on. They can operate on 12 VDC (2.1 mm Barrel Plug); 90-240 VAC via Included Power Adapter or 90-240 VAC. The operating temperature range on the VMHETR-10.1R model in this series is extreme at -22º to +185º F (-30º to +85º C).

TOUCH SCREENS FOR DEMANDING APPLICATIONS

The VMTR-10.1 Series also has options to provide a brighter-than-normal, with 780 nits brightness. The result is crisp, vibrant video images.*TRU-Vu* industrial LCD monitors are specifically designed for use in demanding industrial, commercial, and A/V applications. For instance, every *TRU-Vu* monitor utilizes industrial-grade components and high-end LCD panels not found in retail or consumer-grade monitors. This ensures superior image quality, improved performance and greater durability.

The VMTR-10.1 Series industrial 10.1″ LCD touchscreens offer VGA, HDMI, DisplayPort video inputs. An extensive list of

available OEM options enables you to customize a solution to your specific needs. We offer numerous other monitors in similar sizes from which to choose. They can also be private-labeled with your company name and/or logo on the front bezel.

RESISTIVE TOUCH SCREENS DEPLOYED WORLDWIDE

The VMTR-10.1 Series 10.1" resistive touch screens with 16:10 aspect ratio are deployed in many industries and applications. This includes manufacturing plants, machine vision inspection systems, and food and beverage plants. They are also found in surveillance systems, specialty vehicles and museums.

TRU-Vu monitors are backed by our full 3-year warranty. Consequently, this ensures you of many years of reliable service.

In conclusion, see our full line of 7″ to 12″ monitors for similar models to the VMTR-10.1 Series.

OUR EXPERTS ARE READY TO HELP YOU FIND THE BEST INDUSTRIAL 10.1″ TOUCH SCREEN

With 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. This enables you filter by your own specific important features. See all of our daylight viewable and sunlight readable monitors, or sort by size of 7-12″ monitors. View all touch screens. TRU-Vu Monitors also offers a wide range of LCD monitor mounts and stands. Custom OEM LCD Displays and 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 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, and we will guide you to the proper models that will work best.

To see technical information, tips, tricks and guides to LCD monitors and technology, visit our TECH CENTER.

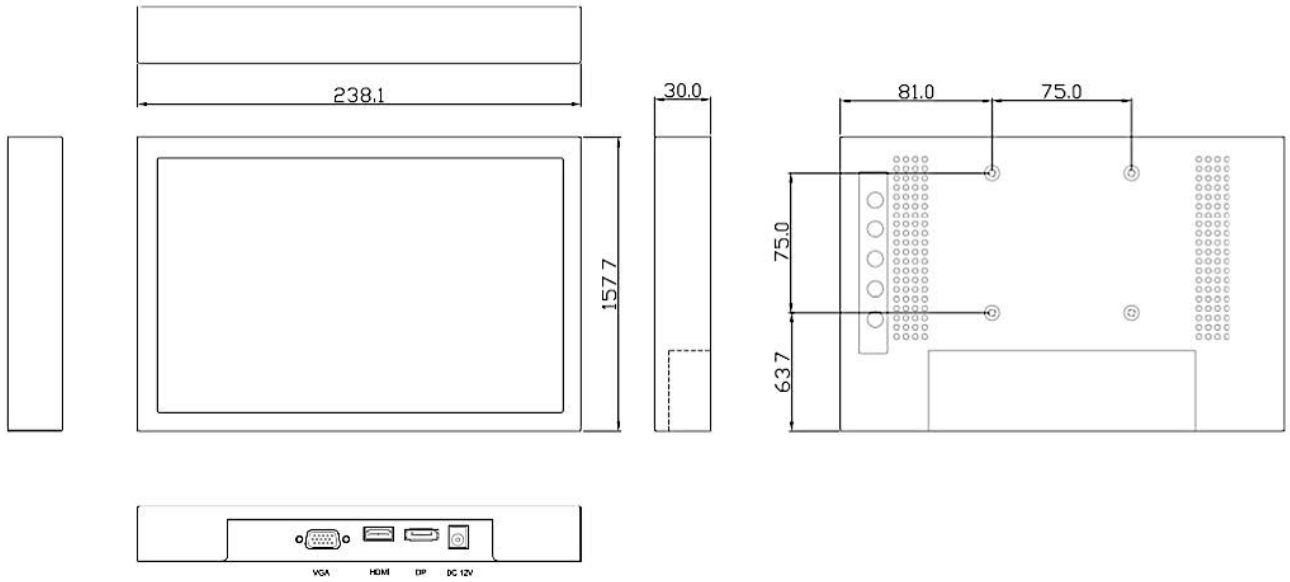
SPECIFICATIONS

	VMTR-10.1R	VMOBTR-10.1R	VMHETR-10.1R
LCD Panel	10.1" Color MVA LCD; LED Backlights		10.1" Color AHVA LCD; LED Backlights
Touch Screen	5-Wire Resistive Touch		
Touch Interface	USB		
Optical Bonding	————	Standard	————
Resolution	1280 x 800 (WXGA) (Accepts up to 1920 x 1080p Input)		1280 X 720
Display Area	8.54" (W) x 5.34" (H) (216.96 x 135.6 mm)		8.8" (W) X 4.95" (H) (223.68 X 125.82 mm)
Pixel Pitch	0.1695 mm		0.175 mm
Display Colors	16:7 M		
Aspect Ratio	16:10		
Brightness	350 nits	500 nits	780 nits
Contrast Ratio	800:1		1,000:1
Viewing Angle	170° (H) x 170° (V)		160º (H) x 160º (V)
Response Time	25 msec Trf		40 msec TrF
Control	OSD (On-Screen Display) via Rear Panel Pushbuttons		
Video Inputs	VGA, HDMI, DisplayPort		
Power Requirement	12 VDC (2.1 mm Barrel Plug); 90-240 VAC via Included Power Adapter		90-240 VAC

	VMTR-10.1R	VMOBTR-10.1R	VMHETR-10.1R
Power Consumption	TBD		
Enclosure	Powder-Coated Steel		
Mounting	75 x 75 mm Rear VESA Mount Holes		
Operating Temperature	+14° to +122° F (-10° to +50° C)	-4° to +158°F (-20° to +70°C)	-22º to +185º F (-30º to +85º C)
Humidity	5 - 90% RH		
Shock	50G, 20ms, Half-sine wave		100G, 6ms, +/-X, +/-Y, +/-Z
Vibration	1.5G (10-200 Hz, P-P) 30 mins./axis (X,Y,Z)		2.9G (33.3-400Hz); 2 hours/axis (X, Y, Z)
Dimensions	9.37" (W) x 6.21" (H) x 1.18" (D) (238.1 x 157.7 x 30 mm)		
Weight	2.31 lbs. (1.05 kg)		

Note: Specifications subject to change without notice.

DIMENSIONS (MM)



Standard Accessories:

- 90-240 VAC Power Adapter
- VGA Cable
- HDMI Cable
- USB Cable

Available Options:

- Move OSD Control Buttons onto Front Bezel
- 12-24VDC Operation
- P-Cap Touch Screen
- Panel Mount
- 1,000 Nits Brightness
- Open-Frame Configuration
- Private Label

- Wall Mount or Tabletop Bracket
- Other Customer - Specific Modifications