# VMTPWP-21.5R-24

## 21.5” Panel-Mount Waterproof Touch Screen Monitor

- 21.5” Projected Capacitive Touch Screen
- Stainless Steel Panel-Mount Enclosure
- Waterproof NEMA 4X Front Face
- *TRU-Tuff* Treatment for Maximum Shock/Vibration Resistance
- Auto Re-Start After Power Loss
- Lockable On-Screen Display Controls
- Can Be Customized to Meet Your Needs
- Ideal For Manufacturing and Food Processing Plants

The VMTPWP-21.5R-24 are 21.5″ panel-mounted waterproof touchscreen monitors. This model features P-Cap (Projected Capacitive) touchscreen technology and the Resolution is 1920 x 1080 (Full HD). It features a NEMA 4X Stainless Steel waterproof panel mount enclosure with a 16:9 aspect ratio, . Additionally, they operate on 12-24VDC. Operating temperatures are 32°F to +122°F.

## INDUSTRIAL TOUCH SCREEN MONITORS

The VMTPWP-21.5R-24 waterproof touchscreen monitors are extremely rugged. For instance, we build them with true industrial-grade components. Furthermore, they receive our exclusive TRU-Tuff treatment. The TRU-Tuff process includes RTV silicone on all connections and critical components. Additionally, we dress all wires, tie-wrap and secure them. Lastly, we apply ThreadLock to all screws. Our industrial-grade 21.5” Panel-mounted waterproof touchscreen displays are ideal for wet environments. The VMTPWP-21.5R-24 is a Projected Capacitive (P-Cap) touchscreen monitor. It provides 10-simultaneous touch points. This enables pinch-to-zoom and other related functionalities. Communication to the host pc is via USB.

### RUGGED WATER PROOF PANEL-MOUNT TOUCH SCREEN MONITORS

TRU-Vu 21.5″ waterproof P-cap touchscreen monitors are built for demanding environments and applications. The front of the stainless steel panel-mount enclosure has a NEMA 4X/IP65 waterproof rating. The steel rear-clamp design ensures rock-solid installation. There’s also a handy guide on how to install a panel-mount touchscreen. This series is ideal for use in wash-down environments such as food processing plants. Manufacturing facilities also benefit from this rugged waterproof touch screen. For use in direct sunlight, we also offer our Sunlight Readable monitors, with 1,000 nits of brightness or more.

## PANEL MOUNT MONITORS WITH EXTREME OPERATING TEMPERATURES

We design the VMTPWP-21.5R-24 touch monitors to operate in nearly any environmental conditions. Whether in frigid conditions or blazing heat, these displays will survive and thrive. To clarify, they will operate in temperatures down to 32°F (0°C). They will also withstand brutal heat. Operating temperatures go up to 122°F (50°C). The rugged stainless steel enclosure assures these 21.5" Panel-mounted waterproof touchscreen will provide years of reliable imaging performance. Specifically, typical MTBF for these monitors is 50,000 hours.

### PANEL MOUNT TOUCH SCREENS DEPLOYED WORLDWIDE

Our 21.5″ waterproof touchscreen monitors have been deployed in a wide range of demanding industries. For example, military, law enforcement, industrial manufacturing, oil and gas, and entertainment sectors benefit. They are also found in inspection, kiosks, heavy equipment, and transportation. TRU-Vu monitors are backed by our full 3-Year Warranty. This will ensure you of many years of reliable service.

We specialize in providing industrial-grade monitors and touch-screens for challenging environments. However demanding your application may be, we will provide the very best solution. Our vast client base shows our versatility in providing the very best LCD monitors in the industry. We also offer our 21.5″ monitors/ touch screens as Medical Grade Display solutions.

### OUR TECHNICAL EXPERTS ARE READY TO HELP YOU FIND THE RIGHT WATER PROOF DISPLAY

With over 540 LCD monitors and touch screens on our site, selecting the ideal solution may be a bit overwhelming. To help narrow-down the choices, check out our Advanced Search Tool. This enables you filter by features important to you. View all 21-65″ Monitors , or see all standard brightness lcd displays and touch screens. 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 do everything you had hoped it would! We look forward to speaking with you.

If you prefer, fill out a quick form with your requirements, and we will guide you to the proper models that will work best.

## SPECIFICATIONS

| | **VMTPWP-21.5R-24** |
|---|---|
| LCD Panel | 21.5" Color MVA LCD Panel; LED Backlights |
| Touch Screen Type | Projected Capacitive |
| Touch Screen Interface | USB |
| Resolution | 1920 x 1080 (Full HD) |
| Viewable Area | 18.76" (W) x 10.55" (H) (476.6 x 268.1 mm) |
| Pixel Pitch | 0.248 mm |
| Display Colors | 16.7M |
| Aspect Ratio | 16:9 |
| Brightness | 250 nits |
| Contrast Ratio | 3,000:1 |
| Viewing Angle | 178° (H) x 178° (V) |
| Response Time | 18 msec (Trf) |
| Control | OSD (On-Screen Display) via Rear Panel Pushbuttons (may be locked) |

| | VMTPWP-21.5R-24 |
|---|---|
| Video Inputs | VGA, HDMI, DisplayPort |
| Power Requirement | 12- 24 VDC |
| Power Consumption | 25W |
| Enclosure | Panel-Mount with Rear Clamp; Stainless Steel |
| Enclosure Rating | NEMA 4X; Front: IP65 |
| Operating Temperature | 32˚ to 122˚ (0 to 50˚ C) |
| Shock/Vibration | 120 G (20 msec, 1/2 sine) / 1.0 G RMS 10-3 |
| Dimensions | 22.8” W x 14.13” H (581.4 x 358.9 mm) |
| Included Accessories | VGA Cable & Power Pigtail |
| Warranty | 3 Years |

Note: Specifications subject to change without notice.

**Standard Accessories:**

- VGA Cable
- Locking Power Pigtail
- USB Cable

**Available Options:**

- DVI input (VMTRWP-21.5C-24)
- AC Power Adapter (PS-12-LC)
- Painted Steel Enclosure
- HD-SDI Input
- 5-Wire Resistive Touchscreen (VMTRWP-21.5V-24)