



TMO190

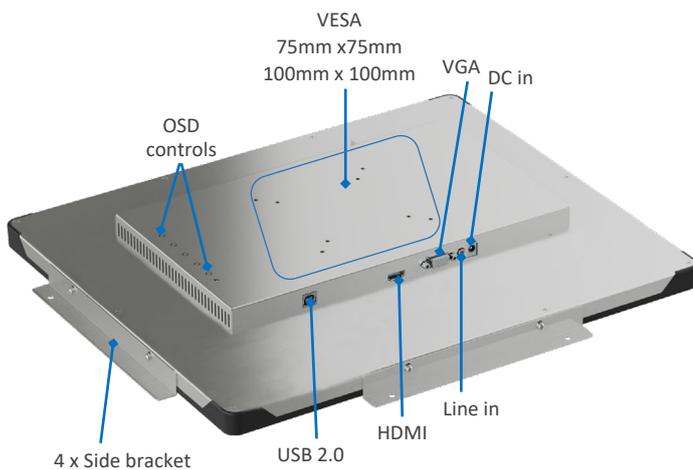
19" Open-Frame Touchscreen Monitor

Product Brief

Vantron Technology offers open-frame touchscreen monitors that vary in screen size from 7 inches to 27 inches and resolution from 1024 x 600 to 1920 x 1080. When used with Vantron embedded computers, such touchscreen monitors will offer more flexible solutions for customers to meet the requirements of application in different scenarios such as industrial control, health care, education, retail, transportation, and finance.

TMO190 open-frame touchscreen monitor applies a 19-inch screen and features quick response time, large visible area and viewing angle to optimize the display performance. The screen is designed to be anti-fingerprint, and users have the option to equip the touchscreen with anti-glare and anti-reflection coatings that offer excellent visual experience and improve human-machine interaction accuracy. Moreover, TMO190 offers flexible installation options and OSD controls to enhance user experience.

Exterior and Features



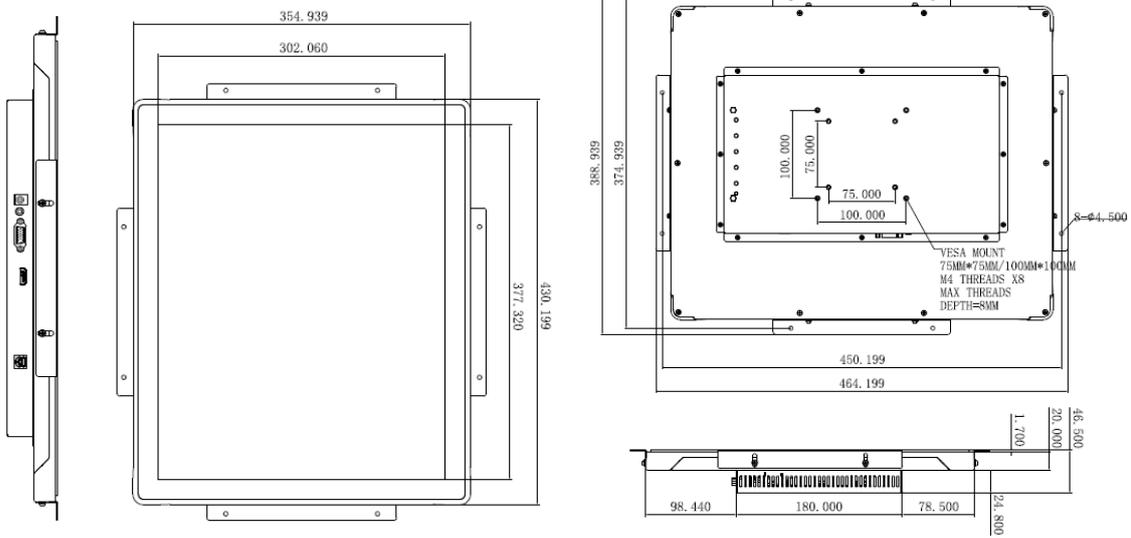
TMO190

-  19.0" TFT LCD, 10-point PCAP touchscreen
-  High contrast ratio, broad active area
-  AR/AG touchscreen available
-  Flexible installation
-  Excellent longevity (50,000H MTBF)
-  Vanity free, easy integration

TMO190 19" Open-Frame Touchscreen Monitor

| Specifications | | |
|--------------------------------|--|--|
| Display | Model | TMO190 |
| | Diagonal size | 19.0" TFT LCD with LED backlight |
| | Aspect ratio | 5:4 |
| | Resolution | 1280 x 1024 |
| | Brightness (Typical) | 250 nits |
| | Active area | 377.32mm x 302.06mm |
| | Contrast ratio | 1000:1 |
| | Number of colors | 16.7M |
| | Response time | 15ms |
| | Viewing angle | Horizontal: 170° Vertical: 160° |
| Touch panel | Touch point | 10-point PCAP touchscreen |
| | Touch control | Finger, stylus pen |
| | Cover lens thickness | 3mm |
| | Surface treatment | Anti-fingerprint, tempered glass (Optional: Anti-glare / Anti-reflection) |
| | Light transmittance ratio | >85% |
| | Touch communication interface | USB 2.0 |
| Video | Video interface | 1 x VGA 1 x HDMI |
| Audio | Audio interface | 1 x Line in (Optional) |
| Mechanical | Dimensions | 430.20mm x 354.94mm x 46.50mm (without brackets) |
| | Weight | 4.6kg |
| | Installation | VESA mount (100mm x 100mm, 75mm x 75mm) Side bracket mount |
| | OSD | Built-in OSD (set up with OSD keys) Controls: Menu, Up, Down, Back, Power |
| Software | Power input | 12V DC |
| | Power consumption | <18W |
| | Language | Chinese and English |
| | Adjustment of brightness, contrast ratio and color temperature | Supported |
| Environmental Condition | Temperature | Operating: 0°C ~ +40°C Storage: -20°C ~ +60°C |
| | Humidity | RH 10%~90% (non-condensing) |
| | MTBF | 50,000 hours |
| | Warranty | 3 years |
| | ESD | ESD: ±4KV (contact) and ±8KV (air) |
| | Certification | FCC, CE, UL |

Product Outlines



Ordering Information

| Ordering No. | AG | AR |
|--------------|-----|-----|
| TMO190-G | Yes | - |
| TMO190-R | - | Yes |
| TMO190 | - | - |

| Packing List | |
|----------------------------|---------|
| TMO190 touchscreen monitor | 1 |
| Power adapter | 1 |
| Power cable | 1 |
| Touch USB cable | 1 |
| Side mounting bracket | 1 (kit) |
| HDMI cable | 1 |
| VGA cable | 1 |

Since its establishment in 2002 by two Silicon Valley entrepreneurs, Vantron Technology has been at the forefront of the connected IoT devices and IoT platform solutions. Today, Vantron boasts a global customer base that includes several Fortune 500 companies. Its product lines cover edge intelligent hardware, IoT communication devices, industrial displays and BlueSphere cloud device management platform.

Vantron's intelligent display systems are comprised of mobile PCs and touchscreen monitors that deliver enhanced device performance and exceptional human-machine interactive experience. The mobile PCs are powered by industry-leading brands such as Rockchip, NXP, MediaTek, and Intel. The touchscreen monitors offer flexible installation options to cater to various application scenarios. Moreover, the displays are built to excel in harsh environments thanks to advanced features like waterproofing, dustproofing, and shatter resistance.

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