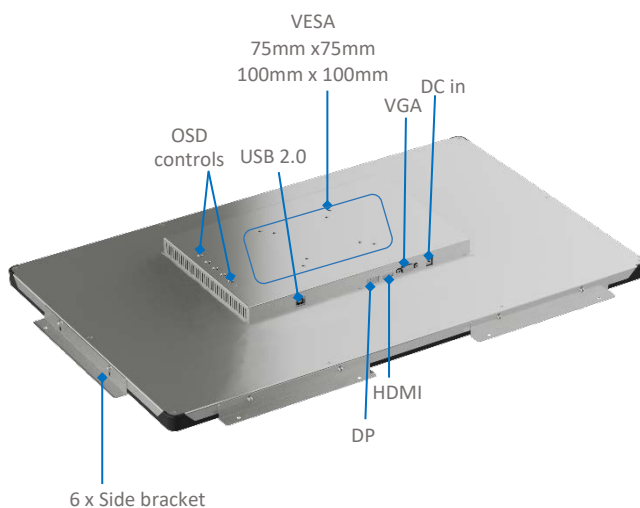# TMO270

27" 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.

TMO270 open-frame touchscreen monitor applies a 27-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, anti-reflection and anti-fingerprint coatings that offer excellent visual experience and improve human-machine interaction accuracy. Moreover, TMO270 offers flexible installation options and OSD controls to enhance user experience.

Exterior and Features

VESA
75mm x75mm
100mm x 100mm

DC in

VGA

OSD controls

USB 2.0
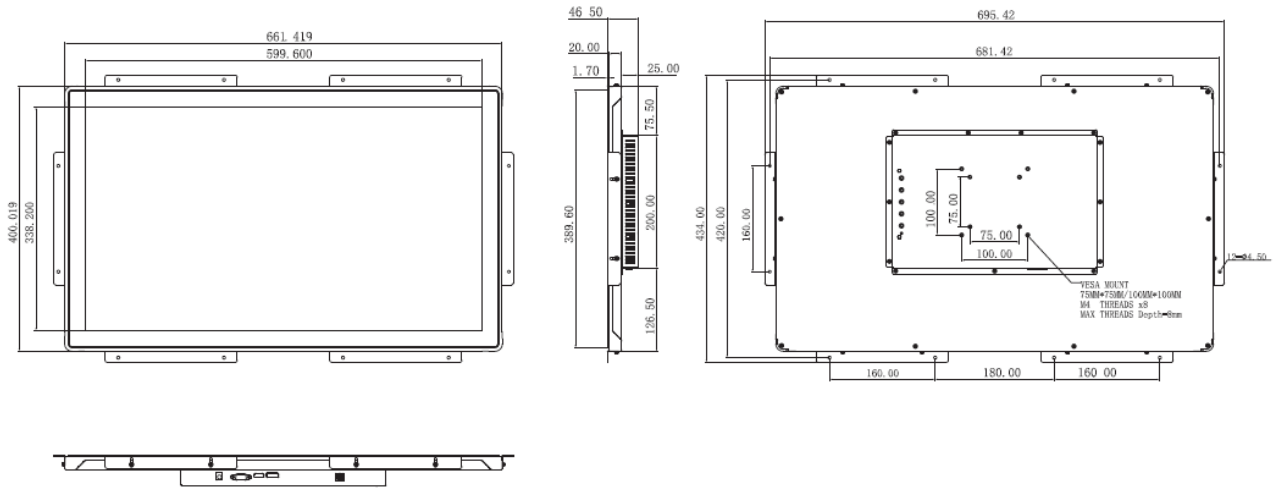
HDMI

DP

6 x Side bracket

TMO270
27" TFT LCD, 10-point PCAP touchscreen
Full HD video output
AR/AG touchscreen available
Flexible installation
Excellent longevity (50,000H MTBF)
Vanity free, easy integration

TMO270 27" Open-frame Touchscreen Monitor

Specifications		
Display	Model	TMO270
	Diagonal size	27" TFT LCD with LED backlight
	Aspect ratio	16:9
	Resolution	1920 x 1080
	Brightness	300 nits
	Active area	597.6mm × 336.15mm
	Contrast ratio	3000:1
	Number of colors	16.7M
	Response time	12ms
	Viewing angle	Horizontal: 178°
		Vertical: 178°
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 input	1 x VGA
		1 x DP
		1 x HDMI
Mechanical	Dimensions	661.42mm x 400.02mm x 46.50mm (without brackets)
	Weight	9.0kg
	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	<28W
	Language	Chinese and English
	Adjustment of brightness, contrast ratio and color temperature	Supported
Environment Condition	Temperature	Operating: 0℃~+40℃ Storage: -20℃~+60℃
	Humidity	10%~90% RH (non-condensing)
	MTBF	50,000 hours
	Warranty	3 years
	ESD	ESD: ±4KV (contact) and ±8KV (air)
	Certificate	CCC, FCC, CE, UL

Product Outlines

Ordering Information

Ordering No.	AG	AR
TMO270-G	Yes	-
TMO270-GR	Yes	Yes
TMO270	-	-

Packing List	
TMO270 touchscreen monitor	1
Power adapter	1
Power cable	1
Touch USB cable	1
Side mounting bracket	1 (kit)
HDMI cable	1
VGA cable	1

Optional accessories	
DP 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.