

27 Inch

Curved Touchmonitor



The novelty of curved touchmonitors brings an air of mystique to the display market. When LED-Framed lights are added, it easily becomes the prima donna of touch displays. General Touch mass produces these curved beauties in-house and they come in C, J or S curve-types with the classic curvature radius of R1500 in sizes ranging from 23.6 to 55 inches. To date, the 55 inch J-type has attained a breakthrough curvature radius of R800.

The large-sized 43-55 inch portrait curved touch screen provides an immersive and expansive user experience from top to bottom in diverse gaming and interactive scenarios. The medium-sized 23.6-32 inch landscape curved touch screen design is based on user-centered ergonomics, reducing fatigue in the human-computer interaction process, allowing users to play longer, fuller and happier.

General Touch offers both the Open Frame and Closed Frame curved displays. For a flushing appearance when integrated into a cabinet, the Open Frame is the straightforward choice. The Closed Frame allows the display to float on the surface of the cabinet though VESA and hinge mounting options, adding a tinge look of sophistication. When combined with Halo/Edge/Front LED-Framed lights, the curved display looks like it is dancing rhythmically. If a Closed Frame is in floating mount, adding rear LED lights would produce a silhouette effect.



Gaming



Kiosk



Vending
Machine

- Curved shape, C design, unique and interactive motivation
- 3 sides LED framed, No hot spot, no dark spot, no dark corner, high level uniformity
- Landscape curved, open frame, compatible with various application

SPECIFICATIONS

Product Name	27 Inch Curved Touchmonitor	
Model	OTC277	
LCD Panel Parameters		
Display Technology	Active Matrix TFT-LCD with LED Backlight	
Aspect Ratio	16:9	
Active Area (W x H)	596.74mm × 335.66mm	
Native Resolution	1920 × 1080 @ 60Hz	
Response Time (Typ.)	15ms	
Display Colors	16.7M	
Luminance (Typ.)	500nits	
Contrast Ratio (Typ.)	3000:1	
Viewing Angle (Typ.)	Horizontal: CR≥10 89°/89° Vertical: CR≥10 89°/89°	
Touch Screen Parameters		
Touch Technology	PCAP	
Cover Glass Treatment	Strengthened	
Impact Resistance Level	IK07	
Thickness (Total)	4.5mm	
Light Transmission	≥ 83%	
Response Time (Typ.)	10ms	
Touch Screen Interface	USB	
Touch Point	10	
Overall Parameters		
Case/Bezel Color	Gray	
Mounting Options	VESA: 100mm × 100mm, 75mm × 75mm Side mounting, see drawing for details	
Outline Dimensions (W×H×D)	677.2mm × 408.1mm × 70.9mm, curvature radius 1494mm	
Power Supply	Input Voltage Range: Monitor: +12VDC ± 5%, Coaxial power jack 2.5mm pin outer diameter RGB LED Lights: +12VDC ± 5%, mating Molex 43025-0600 Optional LED controller (External): +12VDC ± 5%, Coaxial power jack 2.5mm pin outer diameter	
On Screen Display (OSD)	Control (Back): Power, Auto, Up, Down, Menu	
Power Consumption (Max.)	36W (Monitor without RGB LED Lights) 15W (RGB LED Lights)	
Operating Altitude	≤ 3000m	
Temperature Range	Operating: 0°C to 40°C, storage: -20°C to 60°C	
Humidity (Non Condensing)	Operating: 20% to 80%, storage: 10% to 90%	
I/O	HDMI, DP, USB (Type B)	
Accessories	Optional	

Carton Box Dimensions	810mm (L) × 205mm (W) × 555mm (H), 1 unit in one carton
Weight	Net: 9.5kg, Gross: 11.5kg
MTBF	50,000 hours demonstrated
LED Lights Color	Multicolor
LED Lights Location	3 LED lights bar (Front, Edge)
LED Controller (External)	Optional
Agency Approvals	CE, FCC, UKCA
Warranty	1 year

Ordering Information		
Model	Part Number	Description
OTC277-RC5000-UD3230-1.1	10202020163R	27" "C type", landscape curved, FHD, 16:9, 500nits, PCAP, USB, HDMI/DP, open frame, 3 LED lights bar (Front, Edge)

Optional Accessories		
Model	Part Number	Description
USB Cable	30302050006R	USB Cable A Male-B Male 1500mm
HDMI Cable	30302030001R	HDMI Cable Male-Male 1500 mm
DP Cable	30302010001R	DP Cable Male-Male 1500 mm
Adapter	30207010005R	Power Adapter 12V / 50W / 2.5mm / 1500mm
Power Cable	30301010018R	UK
	30301010011R	EU 1500mm
	30301010010R	US
LED Controller Kit	20701040010R	12 V / 50 W Addressable LED Controller Kit

Note: Includes a 1000mm LED strip cable.

If you want to design the LED strip cable according to your application, please adopt the unshielded and non-twisted wires. The length should be no more than 2m, and the wire diameter should be more than 20AWG.

Please feel free to contact us if you need assistance.