Request information

# 43 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

## Features & Benefits

- Curved shape, J design, unique and interactive motivation
- No hot spot, no dark spot, no dark corner, high level uniformity
- PCAP powered by General Touch, quality assurance
- Well sealed non LED light leakage
- 4K resolution
- Closed frame, compatible with various application
- Plastic back cover, light and cost saving

## SPECIFICATIONS

| | |
|---|---|
| Product Name | 43 Inch Curved Touchmonitor |
| Model | OTJ437 |
| **LCD Panel Parameters** | |
| Display Technology | Active Matrix TFT-LCD with LED Backlight |
| Aspect Ratio | 16:9 |
| Active Area (W x H) | 941.18mm × 529.42mm |
| Native Resolution | 3840 × 2160 @ 60Hz |
| Response Time (Typ.) | 8ms |
| Display Colors | 1.07B |
| Luminance (Typ.) | 500nits |
| Contrast Ratio (Typ.) | 1200:1 |
| 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 | Black |
| Mounting Options | VESA: 600mm × 400mm |
| Outline Dimensions (W×H×D) | 585.4mm × 992.9mm × 140.0mm, curvature radius 1494.0mm |
| Power Supply | Input Voltage Range:<br>Monitor: +24 VDC ± 5%, 4 PIN plug or 6 PIN mating Molex 3901-2060<br>RGB LED Lights: +12VDC ± 5%, mating Molex 43025-0600<br>Optional LED controller (External): +12VDC ± 5%, Coaxial power jack 2.5mm pin outer diameter |
| On Screen Display (OSD) | Control (External): Power, Auto, Up, Down, Menu |
| Power Consumption (Max.) | 100W (Monitor without RGB LED Lights)<br>42W (RGB LED Lights) |
| Operating Altitude | ≤ 3000m |
| Temperature Range | Operating: 0℃ to 40℃, storage: -20℃ to 60℃ |
| Humidity (Non Condensing) | Operating: 20% to 80%, storage: 10% to 90% |
| I/O | HDMI, HDMI, DP, USB (Type B) |
| Accessories | Optional |



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| Carton Box Dimensions | 1180mm (L) × 275mm (W) × 770mm (H), 1 unit in one carton |
| Weight | Net: TBD kg, Gross: TBD kg |
| MTBF | 50,000 hours demonstrated |
| LED Lights Color | Multicolor |
| LED Lights Location | 4 LED lights bar (Front, Edge) |
| LED Controller (External) | Optional |
| Agency Approvals | CE, FCC, UKCA, UL |
| Warranty | 1 year |

## Ordering Information

| Model | Part Number | Description |
|---|---|---|
| OTJ437-LC5000-UD5440-1.0 | 10202020106L | 43" "J type", UHD, 16:9, 500nits, PCAP, USB, HDMI/HDMI/DP, LED lights, 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 |
| 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.

| | | | |
|---|---|---|---|
| Adaptor | 30207010024R | Power Adapter 24 V / 150 W / 4 Pin / 1200 mm | |
| Power Cable | 30301010018R<br>30301010011R<br>30301010010R | UK<br>EU<br>US | 1500mm |

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