Request information

55 Inch

LED-Framed Touchmonitor

The LED-Framed touchmonitor dazzles with ambient lighting effects on the front and/or back of its sides. The color, style, and rhythm of the lights can be used as adornments, alerts, attractions, flags, indicators or fanfare that will surely boost the interactive functions of a touch display for both the users and operators.

To match different design styles, General Touch offers various LED light strip designs, including Front design with LED lights visible from the front, Edge design and Halo design with LED lights visible from the front and sides. The rear of the LED-Framed monitor has multiple design options too, such as rear-fire LED strips on four sides, U-shaped strips on three sides, or two parallel strips on the short or long edges. These combinations offer a wide variety of style and luster.

The GT LED-Framed touchmonitor stands out with their exceptional lighting effects, featuring no hot spots, dark spots, and dark corners, and ensuring a high level of uniformity with finely crafted, well-sealed, and free from LED light leakage. To facilitate customer control over the LEDs, GT provides protocols and controllers for customers to choose from. The LED controllers can be embedded or external, and it also supports customer-supplied controllers. The lighting effects offer dozens of standard modes and can be customized to meet specific customer requirements.

LED-Framed touchmonitors have been widely used in various scenes and domains, including gaming, kiosks, entertainment, EV chargers, meetings, and way-finding. The landscape, portrait, and VESA mounting options allow for quick and convenient integration with different environments, fulfilling customers' demands for high-quality dual interaction experiences.

- Gaming
- Kiosk
- Vending Machine

Features & Benefits

- LED-Framed, Edge design
- No hot spot, no dark spot, no dark corner, high level uniformity
- Metal frame, precisely and finely crafted
- Well sealed, no LED light leakage
- Ture flat, closed frame, compatible with various application
- Narrow black border, 4 sides 18.8mm
- 4K resolution

SPECIFICATIONS

Product Name	55 Inch LED-Framed Touchmonitor
Model	OTL557
LCD Panel Parameters	
Display Technology	Active Matrix TFT-LCD with LED Backlight
Aspect Ratio	16:9
Active Area (W x H)	1209.6mm × 680.4mm
Native Resolution	3840 × 2160 @ 60Hz
Response Time (Typ.)	8ms
Display Colors	1.07B
Luminance (Typ.)	600nits
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
Cover Glass Surface Treatment	Optional: Anti-glare
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: 450mm × 400mm
Outline Dimensions (W×H×D)	733.0mm × 1262.0mm × 68.0mm
Power Supply	Input Voltage Range: Monitor: +24VDC ± 5%, 4 PIN plug or 6 PIN mating Molex 3901-2060 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.)	150W (Monitor without RGB LED Lights) 50W (RGB LED Lights)
Operating Altitude	≤ 3000m
Temperature Range	Operating: 0℃ to 40℃, Storage: -20℃ to 60℃

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Humidity (Non Condensing)	Operating: 20% to 80%, Storage: 10% to 90%
I/O	HDMI, HDMI, DP, USB (Type B)
Carton Box Dimensions	1435mm (L) × 240mm (W) × 940mm (H), 1 unit in one carton
Weight	Net: TBDkg, Gross: TBDkg
MTBF	50,000 hours demonstrated
LED Lights Color	Multicolor
LED Lights Location	4-side LED lights bar (Front & Edge)
LED Controller (External)	Optional
Agency Approvals	CE, FCC, UKCA (UL TBD)
Warranty	3 years (LCD panel: 1 year)

Usage suggestions from LCD manufacturer for protecting against image sticking due to long-term static display
a. Suitable operating time: under 20 hours per day.
b. Static information display recommended to use with moving image.

Ordering Information

Model	Part Number	Description
OTL557-LC5000-UD8U40-1.1	10202011194L	55”, UHD, 16:9, 600nits, PCAP, USB, HDMI/HDMI/DP, 4-side LED lights bar (Front & Edge), Clear glass

Optional Accessories

Model	Part Number	Description
USB Cable	30302050006R	USB Cable A Male-B Male 1500mm
HDMI Cable	30302030001R	HDMI Cable Male-Male 1500mm
DP Cable	30302010001R	DP Cable Male-Male 1500mm
LED Controller Kit	20701040010R	12V / 50W 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 24V / 150W / 4Pin / 1200mm	
Power Cable	30301010018R 30301010011R 30301010010R	UK EU US	1500mm

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