Request information

# 27 Inch

# LED-Framed Monitor

The LED-Framed monitor 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 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 monitor 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 monitors 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, Mini-Halo 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

## SPECIFICATIONS

| | |
|---|---|
| Product Name | 27 Inch LED-Framed Monitor |
| Model | OML27H |
| **LCD Panel Parameters** | |
| Display Technology | Active Matrix TFT-LCD with LED Backlight |
| Aspect Ratio | 16:9 |
| Active Area (W x H) | 597.89mm × 336.31mm |
| Native Resolution | 1920 × 1080 @ 60Hz |
| Response Time (Typ.) | 14ms |
| Display Colors | 16.7M |
| Luminance (Typ.) | 300nits |
| Contrast Ratio (Typ.) | 1000:1 |
| Viewing Angle (Typ.) | Horizontal: CR≥10 89°/89° Vertical: CR≥10 89°/89° |
| **Screen Parameters** | |
| Cover Glass Treatment | Strengthened |
| Cover Glass Surface Treatment | Optional: Anti-glare |
| Impact Resistance Level | IK07 |
| Thickness (Total) | 3.0mm |
| Light Transmission | ≥ 90% |
| **Overall Parameters** | |
| Case/Bezel Color | Black |
| Mounting Options | VESA: 75mm × 75mm, 100mm × 100mm, 400mm × 150mm |
| Outline Dimensions (W×H×D) | 637.0mm × 365.5mm × 52.2mm |
| Power Supply | Input Voltage Range:<br>Monitor: +12VDC ± 5%, Coaxial power jack 2.5mm pin outer diameter<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 (Back): Power, Auto, Up, Down, Menu |
| Power Consumption (Max.) | 30W (Monitor without RGB LED Lights)<br>10W (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, DP |
| Accessories | Optional |
| Carton Box Dimensions | 784mm (L) × 275mm (W) × 533mm (H), 2 units in one carton |
| Weight | Net: 8.5kg, Gross: 20.5kg |
| MTBF | 50,000 hours demonstrated |



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|---|---|
| LED Lights Color | Multicolor |
| LED Lights Location | 2 LED lights bar (Mini-Halo) |
| LED Controller (External) | Optional |
| Agency Approvals | CE, FCC, UKCA, UL |
| Warranty | 3 years |

## Ordering Information

| Model | Part Number | Description |
|---|---|---|
| OML27H-L03000-0D3F20-1.1 | 10205010219L | 27”, FHD, 16:9, 300nits, non-touch, HDMI/DP, 2 LED lights bar (Mini-Halo) |

## Optional Accessories

| Model | Part Number | Description |
|---|---|---|
| HDMI Cable | 30302030001R | HDMI Cable A Male-A Male 1500mm |
| DP Cable | 30302010001R | DP Cable Male-Male 1500mm |
| 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.

| | | | |
|---|---|---|---|
| Adapter | 30207010005R | Power Adapter 12V / 50W / 2.5mm / 1500mm | |
| Power Cable | 30301010018R<br>30301010011R<br>30301010010R | UK<br>EU<br>US | 1500mm |