# Brilliant and engaging: a proven recipe for success.

## All-in-one 4K interactive touchscreen displays

Add interactivity to any environment with Samsung's QMR-T touchscreen display. With a bright and responsive interactive display, these commercial-grade large format displays are designed to leverage a variety of content and create engaging experiences. Showcase exciting brand experiences, create endless aisles, offer self-ordering kiosks and provide interactive way-finding. With an IP5X rating, Samsung's QMR-T series touchscreen displays are built to withstand the rigors of continuous public use, and a 3-year warranty adds peace of mind.



## Key Features

**All-in-One interactive digital signage solution**
The Samsung QMR-T series combines an embedded media player with MagicINFO, powerful Tizen OS, multi-touch interactivity and premium UHD Samsung display into integrated all-in-one solution. No need for an external player. And the advanced Tizen OS enables a wide variety of apps.

**MagicINFO digital signage CMS platform to power business**
MagicINFO is our leading-edge digital signage platform that makes content management easier, more flexible and more robust. Easily create content with included templates. Use the data capture tools to inform content creation and automated, targeted distribution. And manage it all from a single source.

**Multi-point capacitive touch**
Exceptionally responsive capacitive touch functionality makes for an engaging and intuitive user experience.

**Easy-to-see, bright 4K UHD non-glare panels**
Samsung's QMR-T series features UHD resolution (FHD on 32") to deliver incredibly clear and detailed content. Non-glare glass (43" and 55") offers improved visibility and eliminates distracting reflections that may impede customer engagement, while the haze coating creates a smoother feel.

**IP5X for lasting durability**
IP5X rating ensures efficient and reliable performance even in dusty environments. In addition, a conformal coating on the display provides longevity even in public spaces, which reduces overall cost of operation.

**Convenient control with a centralized IR receiver**
Control content easier with an intelligently designed IR receiver. Instead of a single point of reception, QMR-T series displays receive IR signals across their entire panels, making remote content control much easier and more reliable.

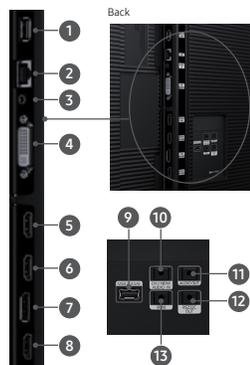**Long runtimes for reliable, continuous operation**
Commercial-level cooling technologies offer dependable reliability. The Samsung QMR-T Series 55"/43" are designed to deliver messages all day and all night, while the 32" model delivers 16/7 runtime.

**Contact Us:** samsung.com/display

# Samsung QMR-T Series Displays

| | | | QM32R-T | QM43R-T | QM55R-T |
|---|---|---|---|---|---|
| **Panel** | Screen Size | | 32" | 43" | 55" |
| | Panel Type | | Edge LED BLU | Edge LED BLU | Edge LED BLU |
| | Resolution | | FHD (1920 x 1080) | UHD (3840 x 2160) | UHD (3840 x 2160) |
| | Brightness (Typ.) | | 300 nits (with Touch Glass), 400 nits (without Touch Glass) | 400 nits (with Touch Glass), 500 nits (without Touch Glass) | 400 nits (with Touch Glass), 500 nits (without Touch Glass) |
| | Contrast Ratio (Typ.) | | 5000:1 | 5000:1 | 4000:1 |
| | Viewing Angle (H / V) | | 178˚ / 178˚ | 178˚ / 178˚ | 178˚ / 178˚ |
| | Response Time (Typ.) | | 8ms GTG | 8ms GTG | 8ms GTG |
| | Display Colors | | 16.7M (True Display), 1.07B (Dithered 10-bit) | 16.7M (True Display), 1.07B (Dithered 10-bit) | 16.7M (True Display), 1.07B (Dithered 10-bit) |
| | Color Gamut | | 72% | 92% (DCI-P3, CIE 1976) | 92% (DCI-P3, CIE 1976) |
| | Operation Hours | | 16/7 | 24/7 | 24/7 |
| | Anti-Glare | | No | Yes | Yes |
| | Panel Orientation | | Landscape / Portrait | Landscape / Portrait | Landscape / Portrait |
| **Special Certification** | Special Certification | | IP5X | IP5X | IP5X |
| **Sound** | Speaker Type | | Built in Speaker (10W + 10W) | Built in Speaker (10W + 10W) | Built in Speaker (10W + 10W) |
| **Connectivity** | Input | RGB | DisplayPort 1.2 (1) | DVI-D, DisplayPort 1.2 (1) | DVI-D, DisplayPort 1.2 (1) |
| | | Video | HDMI 2.0 (2) | HDMI 2.0 (2) | HDMI 2.0 (2) |
| | | HDCP | HDCP 2.2 | HDCP 2.2 | HDCP 2.2 |
| | | Audio | HDMI | Stereo Mini Jack, DVI, HDMI | Stereo Mini Jack, DVI, HDMI |
| | | USB | USB 2.0 x 2 | USB 2.0 x 2 | USB 2.0 x 2 |
| | Output | RGB | HDMI 2.0 (Loop-out) | HDMI 2.0 (Loop-out) | HDMI 2.0 (Loop-out) |
| | | Audio | Stereo Mini Jack | Stereo Mini Jack | Stereo Mini Jack |
| | External Control | | RS232C (in/out) through Stereo Jack, RJ45 | RS232C (in/out) through Stereo Jack, RJ45 | RS232C (in/out) through Stereo Jack, RJ45 |
| | External Sensor | | IR | IR | IR |
| | Wi-Fi / Bluetooth | | Yes / Yes | Yes / Yes | Yes / Yes |
| **Power** | Type | | Internal | Internal | Internal |
| | Power Supply | | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz | AC 100 - 240 V~ (+/- 10 %), 50/60 Hz |
| | Power Consumption | Max | 72 W | 110 W | 143 W |
| | | Stand-by | 0.5 W | 0.5 W | 0.5 W |
| | | Typical [W/h] | 45 W | 72 W | 107 W |
| | | Rating [W/h] | 65 W | 100 W | 130 W |
| | | BTU (Max) | 245.7 | 375.1 | 487.63 |
| | | Sleep Mode | 0.5 | 0.5 | 0.5 |
| **Mechanical** | Dimensions | Set | 29.31" x 17.5" x 1.9" / 744.4 x 444.6 x 48.2 mm | 38.83" x 23.01" / 986.2 x 584.4 x 56.7 mm | 49.36" x 28.92" x 2.23" / 1253.8 x 734.6 x 56.7 mm |
| | | Package | 34.33" x 22.24" x 5.24" / 872 x 565 x 133 mm | 44.65" x 28.54" x 5.55" / 1134 x 725 x 141 mm | 55.94" x 34.8" x 6.5" / 1421 x 884 x 165 mm |
| | Weight | Set | 8.3 lbs. | 14.5 lbs. | 26.9 lbs. |
| | | Package | 11.1 lbs. | 18.7 lbs. | 32.5 lbs. |
| | VESA Mount | | 200 x 200 mm | 200 x 200 mm | 200 x 200 mm |
| | Stand Type | | Foot Stand (Optional) | Foot Stand (Optional) | N/A |
| | Bezel Width (Top / Side / Bot) (mm) | | 24.5 (U/D), 21.5 (L/R) | 26.0 (U/D), 21.0 (L/R) | 26.0 (U/D), 21.0 (L/R) |
| **Environmental Conditions** | Operating Temperature | | 32˚ − 104˚ / 0℃ − 40℃ | 32˚ − 104˚ / 0℃ − 40℃ | 32˚ − 104˚ / 0℃ − 40℃ |
| | Humidity | | 10~80% | 10~80% | 10~80% |
| **Features** | Touch | | Capacitive Touch | Capacitive Touch | Capacitive Touch |
| | Special | Hardware | Temperature Sensor, Pivot Display, Clock Battery (168 Hrs Clock Keeping), Built-in Speaker (10W x 2), Video Wall Daisy Chain (HDCP 2.2 x 4, HDCP 1.4 x 7), IP5X Rating, Wi-Fi, Bluetooth | Temperature Sensor, Pivot Display, Clock Battery (168 Hrs Clock Keeping), Built-in Speaker (10W x 2), Video Wall Daisy Chain (HDCP 2.2 x 4, HDCP 1.4 x 7), IP5X Rating, Wi-Fi, Bluetooth | Temperature Sensor, Pivot Display, Clock Battery (168 Hrs Clock Keeping), Built-in Speaker (10W x 2), Video Wall Daisy Chain (HDCP 2.2 x 4, HDCP 1.4 x 7), IP5X Rating, Wi-Fi, Bluetooth |
| | | Software | Auto Source Switching and Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug and Play (Initial Setting) | Auto Source Switching and Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug and Play (Initial Setting) | Auto Source Switching and Recovery, LFD Home UI, Button Lock, Hot Key Option, Plug and Play (Initial Setting) |
| | Internal Player (Embedded H/W) | Processor | Cortex A72 1.7GHz Quad-Core CPU | Cortex A72 1.7GHz Quad-Core CPU | Cortex A72 1.7GHz Quad-Core CPU |
| | | On-Chip Cache Memory | L1 Instruction Cache: 48KB / L1 Data Cache: 32KB / L2 Cache: 2MB | L1 Instruction Cache: 48KB / L1 Data Cache: 32KB / L2 Cache: 2MB | L1 Instruction Cache: 48KB / L1 Data Cache: 32KB / L2 Cache: 2MB |
| | | Clock Speed | 1.7GHz | 1.7GHz | 1.7GHz |
| | | Main Memory Interface | 2.5GB, LPDDR4 1.5GHz, 64-bit | 2.5GB, LPDDR4 1.5GHz, 64-bit | 2.5GB, LPDDR4 1.5GHz, 64-bit |
| | | Graphics | Graphic resolution: 1920 x 1080 / Output resolution: 3840 x 2160 (Scale up from graphic processing result) | Graphic resolution: 1920 x 1080 / Output resolution: 3840 x 2160 (Scale up from graphic processing result) | Graphic resolution: 1920 x 1080 / Output resolution: 3840 x 2160 (Scale up from graphic processing result) |
| | | Storage (FDM) | 8GB (3.88GB Occupied by O/S, 4.12GB Available) | 8GB (3.88GB Occupied by O/S, 4.12GB Available) | 8GB (3.88GB Occupied by O/S, 4.12GB Available) |
| | | Multimedia | Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder: AC3 (DD), MPEG | Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder: AC3 (DD), MPEG | *Video Decoder: MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC, VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio Decoder: AC3 (DD), MPEG |
| | | IO Ports | USB 2.0 | USB 2.0 | USB 2.0 |
| | | Operating System | Tizen 4.0 (VDLinux) | Tizen 4.0 (VDLinux) | Tizen 4.0 (VDLinux) |
| **Certification** | Safety | | 60950-1 | 60950-1 | 60950-1 |
| | EMC | | Class B (TBD) | Class B | Class B |
| | Environment | | ENERGY STAR 8.0, Epeat | ENERGY STAR 8.0, Epeat | ENERGY STAR 8.0, Epeat |
| | Security | | 802.1x (WPA2 Enterprise): EAP-TLS, EAP-TTLS, EAP-PEAP | 802.1x (WPA2 Enterprise): EAP-TLS, EAP-TTLS, EAP-PEAP | 802.1x (WPA2 Enterprise): EAP-TLS, EAP-TTLS, EAP-PEAP |
| **Accessory** | Included | | Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries | Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries | Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries |
| | Optional | Stand | STN-L3240E | STN-L4355F | N/A |
| | | Mount | WMN4070SE | WMN4070SE | WMN4070SE |
| | | Specialty | CML400XK | CML400XK | CML400XK |
| **Warranty** | Warranty | | 3 Years Parts / Labor | 3 Years Parts / Labor | 3 Years Parts / Labor |

## Connectivity

1. USB 1 (1.0A)
2. RJ45
3. RS232C In
4. DVI / MagicInfo In
5. HDMI In 1 (ARC)
6. HDMI In 2 (Daisy Chain In)
7. DisplayPort In (Daisy Chain In)
8. HDMI Out (Daisy Chain Out)
9. USB 2 (0.5A)
10. DVI / HDMI Audio In
11. Audio Out
12. RS232C Out
13. IR In

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