Samsung QM55R Digital signage flat panel 55" LED Wi-Fi 500 cd/m² 4K Ultra HD Black Tizen 4.0 24/7



Brand : Samsung

Article code: LH55QMREBGCXEN

Product name : QM55R



55" (3840 x 2160, New Edge, 60 Hz), 500 cd/m², 4000:1, 178/178°, 8 ms, 2 x HDMI, 2 x USB, DisplayPort, DVI, LAN, Wi-Fi, Bluetooth, 18.1 kg
Samsung QM55R. Product design: Digital signage flat panel. Display diagonal: 55", Display technology: LED, Display resolution: 3840 x 2160 pixels, Display brightness: 500 cd/m², HD type: 4K Ultra HD. Wi-Fi. Operating hours (hours/days): 24/7. Operating system installed: Tizen 4.0. Product color: Black

Display	
LED backlighting type	Edge-LED BLU
Display diagonal *	55"
Display technology *	LED
Display resolution *	3840 x 2160 pixels
Display brightness *	500 cd/m²
HD type *	4K Ultra HD
Touchscreen *	✗
Native aspect ratio	16:9
Response time	8 ms
Contrast ratio (typical)	4000:1
Dynamic contrast ratio marketing name	Mega Contrast
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colors	16.78 million colors
Pixel pitch	0.00413 x 0.0124" (0.105 x 0.315 mm)
Active display area (W x H)	47.6 x 26.8" (1209.6 x 680.4 mm)
Display diagonal (metric)	54.3" (138 cm)
Horizontal scan range	30 - 81 kHz
Vertical scan range	48 - 75 Hz
Native refresh rate	60 Hz
Color gamut	72%

Ports & interfaces	
HDMI ports quantity *	3
HDMI version	2.0
HDMI input ports quantity	2
HDMI output ports quantity	1
DVI port *	✓
DisplayPorts quantity *	1
USB port *	✓
USB ports quantity	2
USB version	2.0
Ethernet LAN *	✓
Ethernet LAN (RJ-45) ports	1
Wi-Fi *	✓

Performance	
Purpose *	Universal
Operating hours (hours/days)	24/7
HDCP	✓
HDCP version	2.2

Power	
Power consumption (typical) *	108 W
Power consumption (sleep)	0.5 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Heat dissipation	487.6 BTU/h
Energy efficiency scale	A+++ to D

Computer system	
Computer system *	✓
Processor family	ARM Cortex
Processor model	A72
Processor frequency	1.7 GHz
Processor cores	4
Internal memory	2.5 GB
Internal storage capacity	8 GB
Operating system installed	Tizen 4.0
Video formats supported	AVC, AVS, H.263, H.264, HEVC, MPEG1, MPEG2, MPEG4, VC-1, VP8, VP9
Audio formats supported	AC3
Image formats supported	JPEG, PNG

Weight & dimensions	
Width	48.6" (1235.1 mm)
Depth	1.82" (46.3 mm)
Height	27.9" (707.9 mm)
Weight	39.9 lbs (18.1 kg)

Packaging data	
Package width	55.2" (1402 mm)
Package depth	6.42" (163 mm)
Package height	33.8" (858 mm)

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Ports & interfaces	
PC Audio in	✓
RS-232 interface	✓
RS-232C	✓

Audio	
Built-in speaker(s) *	✓
Number of built-in speakers	2
RMS rated power	20 W

Design	
Product design *	Digital signage flat panel
Placement supported *	Indoor
Orientation	Horizontal
Product color *	Black
VESA mounting *	✓
Panel mounting interface	200 x 200 mm
Bezel width (bottom)	0.441" (1.12 cm)
Bezel width (side)	0.362" (9.2 mm)
Bezel width (top)	0.362" (9.2 mm)
Anti-glare screen	✓
Mounting type	Wall

Packaging data	
Package weight	52 lbs (23.6 kg)

Packaging content	
Handheld remote control	✓
Batteries included	✓
Cables included	AC

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	10 - 80%

Certificates	
Certification	60950-1, EMC B, EPEAT

Logistics data	
Harmonized System (HS) code	85285210

Technical details	
Sustainability certificates	ENERGY STAR

Other features	
L2 cache	2048 KB
Memory clock speed	1500 MHz
User memory	4.12 GB
Quick start guide	✓
Annual energy consumption	158 kWh
Bluetooth	✓
Energy efficiency class (old)	A