



**SAMSUNG**

# SPECIFICATION

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**QM85R-B**

85.0" - UHD

Version: 1.0

Date: 03.05.2022

Note: This specification is subject to change without prior notice

## Panel

Diagonal Size	85
Type	Edge LED BLU
Resolution	3840*2160 (4K UHD)
Pixel Pitch(mm)	0.4875 x 0.4875
Active Display Area(mm)	1872.0(H) x 1053.01(V)
Brightness(Typ.)	500 nit
Contrast Ratio	4000:1
Viewing Angle(H/V)	178/178
Response Time(G-to-G)	8ms(Typ.)
Display Colors	16.7M(True Display)1.07B(Ditherd 10bit)
Color Gamut	92% (DCI-P3, CIE 1976)
Operation Hour	24/7
Haze	28%

## Display

Dynamic C/R	MEGA
H-Scanning Frequency	30 ~ 81kHz
V-Scanning Frequency	48 ~ 75Hz
Maximum Pixel Frequency	594MHz

## Sound

Speaker Type	Built in Speaker(10W + 10W)
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## Connectivity

Input	
RGB	DVI-D, Display Port 1.2 (1)
Video	HDMI 2.0 (2)
HDCP	HDCP2.2
Audio	Stereo mini Jack, DVI, HDMI/Audio(Common)
USB	USB 2.0 x 2
Output	
RGB	HDMI 2.0 (Loop-out)
Audio	Stereo mini Jack
External Control	RS232C(in/out) thru stereo jack, RJ45
External Sensor	IR

## Power

Type	Internal
Power Supply	AC 100 - 240 V, 50/60 Hz
Power Consumption	
Max[W/h]	308.0
Typical[W/h]	217.0
Rating[W/h]	280.0
BTU(Max)	1050.3
Sleep mode	0.5

## Mechanical Specification

Dimension (mm)	
Set	1897.8 x 1080.8 x 56.7
Package	2090 x 1247 x 260

Weight (kg)	
Set	48.4
Package	63.7
VESA Mount (mm)	600 X 400
Bezel Width (mm)	10.9mm(U/L/R), 12.9mm(B)

## Operation

Operating Temperature	0 °C ~ 40 °C	Humidity	10.0 % ~ 80.0 %
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## Feature

<b>Key Features</b>		UHD Signage Display Slim & Light Signage with Built-in MagicInfo S6, SSSP 6.0
<b>Orientation</b>		Landscape / Portrait
<b>Remote Control</b>		N/A
<b>Special Features</b>		H/W : Temperature Sensor, Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W 2ch), Video Wall Daisy Chain(HDCP2.2:4EA, HDCP1.4:7EA), IP5x Rating, Wi-Fi S/W : Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)
<b>Internal Player</b>	<b>Processor</b>	Cortex A72 1.7GHz Quad-Core CPU
	<b>On-Chip Cache Memory</b>	L1 Instruction Cache : 48KB L1 Data Cache : 32KB L2 Cache : 2MB
	<b>Clock Speed</b>	1.7GHz
	<b>Main Memory Interface</b>	2.5GB LPDDR4 1.5GHz 64bit
	<b>Graphics</b>	Graphic resolution : 1920x1080 Output resolution : 3840x2160 (Scale up from graphic processing result.)
	<b>Storage (FDM)</b>	8GB (3.88GB Occupied by O/S, 4.12GB Available)
	<b>Multimedia</b>	*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
	<b>IO Ports</b>	USB 2.0
	<b>Operating System</b>	Tizen 4.0 (VDLinux)

## Certification

<b>Safety</b>	60950-1
<b>EMC</b>	Class A
<b>Security</b>	802.1x(WPA2 Enterprise) ('20.1~) : EAP-TLS, EAP-TTLS, EAP-PEAP

## Accessory

<b>Included</b>	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries
<b>Optional</b>	
<b>Stand</b>	-
<b>Mount</b>	WMN8200SF / WMN8200SG
<b>Specialty</b>	-

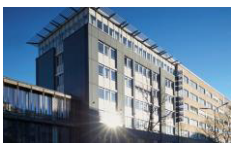
## Media Player

<b>Media Player</b>	N/A
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DATA MODUL AG  
Landsberger Straße 322  
DE-80687 Munich  
Phone: +49-89-56017-0

DATA MODUL WEIKERSHEIM GMBH  
Lindenstraße 8  
DE-97990 Weikersheim  
Phone: +49-7934-101-0



More information and worldwide locations can be found at

[www.data-modul.com](http://www.data-modul.com)