

Specifications

Model			SM85HX	
Display Panel	Diagonal Size	Class	85	
		Measured	84.5	
	Resolution		2,160 x 3,840 (9:16)	
	Brightness (Typ.)		500nit	
	Orientation		Portrait	
	Haze		25%	
	Contrast Ratio (Typ.)		4,000:1	
	Type		VA	
	Active Display Area		1,053.01(H) x 1,872.0(V)	
	Pixel Pitch (mm)		0.487 x 0.487	
Connectivity / Sound	Color Gamut		72% (NTSC)	
	Operation Hour		24/7	
	INPUT	VIDEO	DP1.2 (1), HDMI 2.0 (3)	
		AUDIO	N/A	
		USB	USB 2.0 x 2	
		Tuner	N/A	
	OUTPUT	VIDEO	N/A	
		AUDIO	Stereo mini Jack	
		USB	N/A	
	WiFi / BT		O / O	
	EXTERNAL CONTROL		RS232C(in/out), RJ45	
Mechanical Spec	Speaker		10W 2ch	
	Dimension (mm)	Set	1,101.2 x 1,920.2 x 52.0	
		Package	2,093 x 1,234 x 220	
	Weight (kg)	Set	49	
		Package	61.9	
	VESA Mount		400 x 600	
	VESA Mount Screw (Min-Max)		M8, L18-20	
	Bezel Width (mm)		21.0 (Even)	
Design	Bezel Color		Black	
Features	Key		UHD Signage with Built-in MagicInfo S10, SSSP10.0	
	Internal Player	Operating System	Tizen 7.0	
		Processor	CA731.6GHz Quad-Core	
		Storage (FDM)	16 GB (10 GB available)	
	Special	H/W	Virtual 3D Spatial Effect, 2nd Gen. B2B Design, Center IR, Temperature Sensor, Ambient Sensor, Wi-Fi (2.4/5.0GHz dual) & BT Signage New Home, Workspace (Microsoft365/RDP), Custom Home, Auto Source Switching & Recovery, Upgradable Web-Engine, Tizen Enterprise Platform, HDR support	
Certification	Safety	S/W	60950-1 / 62368-1	
		EMC	Class A	
	Environment		-	
	IP Rating		IP5x	
	Security		802.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP, WPA3-Personal	
Power	Power Supply		AC100 - 240 V, 50/60 Hz	
	Power Consumption	Max [W/h]	484	
		Typical [W/h]	340	
		Sleep mode	less than 0.5W	
Operating Condition	Temperature		0°C~ 40°C	
	Relative Humidity		10~80%	
Accessories	Included		Quick Setup Guide, Warranty Card, Power Cord, RS232C(IN) Gender, Remote Controller & Batteries	
	Optional	Stand	-	
		Mount	-	
		Specialty		

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. Inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

Smart Signage

For more information about Samsung Smart Signage, visit www.samsung.com/business

Copyright © 2025 Samsung Electronics Co., Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co., Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

Samsung Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea



Spatial Signage
SMHX series

**3D Showcase –
Bring your brand to life**

Delivers immersive realism through display innovation. Samsung's Spatial Signage transforms ordinary content into striking 3D visuals that capture attention. Powered by Samsung's 3D plate technology, it adds depth and dimension to any scenes—without special glasses or separately created 3D content. The result is a vivid and engaging visual experience that feels closer to reality.

Beyond its visual performance, Spatial Signage is designed for ease and flexibility. The slim 52mm profile works seamlessly with a slim-fit wall mount, offering clean, space-saving installation in various environment. Samsung VXT with True 3D Enhancer lets businesses easily manage content, adjust 3D effects, and monitor devices remotely.

Key features



Virtual 3D Display
Powered by Samsung's 3D plate technology, this display goes beyond your 2D content-bringing it to life in 3D, face-to-face with your audience. Vivid details feel almost within reach, making every moment unforgettable.



UltraThin Design
Delivering 3D visuals in a 52mm slim profile, Spatial Signage installs as easily as standard signage. Compatible with a slim-fit wall mount, it ensures neat, space-saving installation that blends naturally into various environment—making 3D display integration straightforward and seamless.

* Slim Fit Wall Mount must be purchased separately.



True 3D Enhancer
Maximizes the 3D effect for greater impact. Samsung's enhancement solution adds subtle shadow effects to enhance depth perception, making 3D visuals more vivid and impactful.

* VXT must be purchased separately and the feature's availability may vary by region.



Samsung VXT
The cloud-based Samsung VXT brings together content management and remote device management capabilities. Remotely manage hardware settings and troubleshoot issues while creating and deploying content effortlessly with no previous training needed.

* VXT must be purchased separately and the feature's availability may vary by region.
* Actual UI may differ and is subject to change without notice.