

SAMSUNG

Stand out, outside. Night and day, rain or shine.

A sleek all-in-one display that's built for the outdoors.

Communicate clearly at all times. The Samsung OH Series outdoor solution features exceptional brightness and a slim yet rugged design. It'll get your message out 24/7, whether it's pouring rain at midnight or scorching sun at noon.



A true all-weather display

With certified IP56-rated protection, Samsung OH Series full outdoor signage is designed specifically to withstand the elements and fully perform in heat, cold, rain, snow and dust.¹



Humidity prevention

With hidden four fans in the downside of the signage, external humidity issues such as condensation are greatly reduced.



Attract attention anywhere, anytime

Samsung full outdoor signage is UL-verified for outdoor visibility, with peak brightness of up to 4,000 nits. Combined with a built-in auto brightness sensor, it'll deliver vivid content in all types of lighting, 24/7.



Bright, vivid, accurate communication

OH series signage delivers enhanced red, green and blue shades, for incredible color accuracy.



Outstanding visibility in direct sun

Samsung Magic Protection Glass features advanced anti-reflection technology, for exceptional visibility even in direct sunlight. And Samsung's circular polarizing technology means content can still be easily seen even while wearing polarized sunglasses.



Robust durability for screen safety

The Magic Protection Glass is tempered, with IK10-rated durability for advanced safety and protection against external impact and damage.² That helps protect against vandalism, and adds peace of mind.



Reliable and advanced software for effective management

The embedded MagicINFO Player S7, backed by the powerful TIZEN operating system, boosts overall performance and offers painless content management.³ Promotions and content throughout a network of signage can be easily changed. Transitions and playback are seamless, for a better experience for both customers and store managers.



Powerful, protective security

Powered by Samsung's proprietary Knox technology, the OH series employs comprehensive three-layer security protection. The secured platform helps minimize security attacks and supports application development.



3-year warranty

A 3-year warranty means extended protection and peace of mind.

samsung.com/display

OH Full Outdoor Signage

OH46B 46" | OH55A-S 55" | OH75A 75"



OH Full Outdoor Signage

Model			OH46B	OH55A-S	OH75A
Panel	Diagonal Size	Class	46"	55"	75"
	Type	Measured	45.9" / 116.8cm	54.6" / 138.7cm	74.5" / 189.2cm
	Resolution		1920 x 1080 (16:9)	120Hz E-LED BLU	60Hz D-LED Local Dim. BLU
	Brightness (Typ.)		3,500 nit (Peak 4,000 nit)	1920 x 1080 (16:9)	3840 x 2160 (16:9)
	Contrast Ratio		6000:1	3,500 nit (peak 4,000 nit)	3,500 nit (peak 4,000 nit)
	Viewing Angle (H/V)		178/178	6,000:1	1,200:1
	Color Gamut		72%	178/178	178/178
	Operation Hour		24/7	72%	24/7
Sound	Speaker Type		N/A	N/A	N/A
Connectivity	INPUT	RGB	N/A	N/A	DPT.2
		Video	HDMI 2.0 (2), HDBaseT	HDMI 2.0 (2), HDBaseT(LAN Common)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2
		Audio	N/A	N/A	N/A
	OUTPUT	USB	USB 2.0 x 1	USB (1)	USB (1)
		RGB	N/A	N/A	N/A
		Video	N/A	N/A	N/A
		Audio	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
	External Control	USB	N/A	N/A	N/A
		External Sensor	RS232C(in/out), RJ45 (in/out), HDBaseT	RS232C (in/out), RJ45(in/out), HDBaseT	RS232C (in), RJ45(in)
Power	External Sensor		N/A	N/A	N/A
	Tuner		N/A	N/A	N/A
	Type		Internal	Internal	Internal
	Power Supply		AC 100 – 240 V, 50/60 Hz	AC 100 – 240 V, 50/60 Hz	AC 100 – 240 V, 50/60 Hz
	Power Consumption	Max [W/h]	460	530	1,200
		Typical [W/h]	205W	274	471
		BTU (Max)	≧ IEC 62087 measurement standard	≧ IEC 62087 measurement standard	≧ IEC 62087 measurement standard
		Sleep mode	0.5	1,809	4,095
Mechanical Spec	Dimension (mm/in)	Set	N/A	Less than 0.5W	Less than 0.5W
		Off mode	N/A	N/A	N/A
	Weight (kg/lbs)	Set	1,069 x 623.6 x 85 mm / 42 x 24.5 x 3.3 in	1,260.6 x 731.4 x 85.0 mm / 49.6 x 28.7 x 3.3 in	1,774.8 x 1,053.4 x 130 mm / 69.8 x 41.4 x 5.1 in
		Package	115.6 x 71.3 x 200 mm / 45.5 x 28 x 7.8 in	1,358 x 845 x 230 mm / 53.4 x 33.2 x 9 in	1,932 x 1,251 x 367 mm / 76 x 49.2 x 14.4 in
	Mounting Hole	Set	36 kg / 79.3 lbs	46.1 kg / 101.6 lbs	134 kg / 295.4 lbs
		Package	40.5 kg / 89.2 lbs	52.6 kg / 115.9 lbs	150 kg / 330.6 lbs
	Protection Glass		895 x 500	1186 x 560 (Basic)	970 x 1118.4 (M8 x 4Hole)
	Bezel Width (mm)		1000 x 400 (VESA Bracket Option)	1200 x 400 (VESA Bracket Option)	260 x 1118.4 (M8 x 4Hole)
	Operating Temperature		M8, 9-11	Yes (5T Tempered Glass)	Yes (5T Tempered Glass)
	Humidity		24.9 / 24.9 / 24.9 / 24.9 mm	59.8 / 59.8 / 59.8 / 59.8 mm	59.8 / 59.8 / 59.8 / 59.8 mm
Operation	IP Rating		-30°C ~ 50°C	-30°C ~ 50°C	-30°C ~ 50°C
	IP Rating		10~100%	10~100% (Non-condensing)	10~80% (Non-condensing)
Special	Key		IP56	IP56	IP56
	Orientation		Power-box Integrated, IP56 Outdoor,Built-in MagicInfo Player S7,SSSP 7.0	Power-box Integrated, IP56 Outdoor,Built-in MagicInfo Player S7,SSSP 7.0	Power-box Integrated, IP56 Outdoor,Built-in MagicInfo Player S7,SSSP 7.0
	Special	IP56 Rated Simple Enclosure Outdoor, Protection Glass (IK-10 Level, Anti Graffiti, Infrared Reduce), Polarized Sun Glasses Viewable in any direction, HD Base T for Long Distance Installing, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, Clock Battery (80hrs Clock Keeping), Auto Source Switching & Recovery, RJ45 MDC, Kensington Lock	IP56 Rated Simple Enclosure Outdoor, Protection Glass (IK-10 Level, Anti Graffiti, Infrared Reduce), Polarized Sun Glasses Viewable in any direction, HD Base T for Long Distance Installing, Portrait / Landscape Installation Support, Lamp Error Detection, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery (80hrs Clock Keeping), Kensington Lock	IP56 Rated Simple Enclosure Outdoor, Protection Glass (IK-10 Level, Anti Graffiti, Infrared Reduce), Polarized Sun Glasses Viewable in any direction, Portrait / Landscape Installation Support, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery (80hrs Clock Keeping)	IP56 Rated Simple Enclosure Outdoor, Protection Glass (IK-10 Level, Anti Graffiti, Infrared Reduce), Polarized Sun Glasses Viewable in any direction, Portrait / Landscape Installation Support, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, RJ45 MDC, Auto Source Switching & Recovery, Clock Battery (80hrs Clock Keeping)
		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
	Internal Player (Embedded H/W)	Main Memory Interface	2.5GB LPDDR4 1.6GHz 64bit	2.5GB LPDDR4 1.5GHz 64bit	2.5GB LPDDR4 1.6GHz 64bit
		Graphics	Graphic resolution: 1920 x 1080 Output resolution: up to 3840 x 2160 (Scale up from graphic processing result) – Supports OpenGL ES	Graphic resolution: 1920 x 1080 Output resolution: 1920 x 1080 – Supports OpenGL ES	Graphic resolution: 1920 x 1080 Output resolution: up to 3840 x 2160 (Scale up from graphic processing result) – Supports OpenGL ES
		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 FHD MFD : VP8, H.264, AVS+(60Hz)UHD MFD : HEVC, H.264, VP95K HEVC Decoder, SHVC(ATSC3.0)AVS2.0 HEVC / AVS2.0 1xUHD120p (DP, NR off, FRC bypass) Audio Decoder – AC3 (DD), MPEG	Video Decoder FHD MFD : VP8, H.264, AVS+(60Hz)UHD MFD : HEVC, H.264, VP95K HEVC Decoder, SHVC(ATSC3.0)AVS2.0 HEVC / AVS2.0 1xUHD120p (DP, NR off, FRC bypass) Audio Decoder – AC3 (DD), MPEG	Video Decoder FHD MFD : VP8, H.264, AVS+(60Hz)UHD MFD : HEVC, H.264, VP95K HEVC Decoder, SHVC(ATSC3.0)AVS2.0 HEVC / AVS2.0 1xUHD120p (DP, NR off, FRC bypass) Audio Decoder – AC3 (DD), MPEG
Certification	Safety	Operating System	Tizen 5.0 (VDLinux)	Tizen 5.0 (VDLinux)	Tizen 5.0 (VDLinux)
		EMC	60950-1	60950-1	60950-1
	Environment	Class A	Class A	Class A	Class A
		N/A	N/A	N/A	N/A
Accessories	Included		Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries	Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries

Connectivity

- RS232C IN / Out
- Audio Out
- USB
- RJ45 (LAN Out)
- HDBT (LAN In)
- HDMI In 1
- HDMI In 2
- DP In (UHD 60Hz)

OH46B



OH55A-S



OH75A



OH55A-S - Front



OH55A-S - Back



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