



Enhance the customer experience with real-time info and promos.

OHN-SK / OHN-DK Series Single- or Dual-Sided Outdoor Signage

Deliver messages that stop people and command attention. The Samsung OHN/OHN-D series displays were designed for exceptional visibility and dependability in outdoor locations. With a high-brightness 3,000-nit screen and a built-in dimming sensor, content is impactful day or night. The OHN/OHN-D series displays are well-prepared for harsh outdoor environments, with Magic Protection Glass¹ and IP56-rated protection.² A built-in media player allows users to manage content efficiently without any additional equipment required. And to stop traffic both ways, the OHN-D series has a double-sided screen, as well as an easy-access design for effortless upkeep and repair.

¹Additional glass needed for OHN-SK kit-type. Non-kit version to be released at a later date.

Key Features



High Visibility and Brightness, 24/7

With 3,000-nit brightness and 24/7 performance, the OHN series delivers consistent, exceptional content. A built-in dimming sensor automatically adjusts brightness based on the external lighting environment, saving power consumption and operating expenses.



Anti-Reflective Magic Glass

Samsung's Magic Glass cuts glare from direct sun, ensuring your messages are always legible.



Viewable with Polarized Sunglasses

Samsung's circular polarizing technology allows content to be easily viewed even while wearing polarized sunglasses.



Reliable in the Harshest Environments

Samsung OHN series displays employ a patent-pending steady cooling system with heat exchanger that allows them to withstand temperatures of -22° F to 122° F. They're also IP56-certified,² to withstand sun, rain, sleet, snow, wind-driven dust, hose-driven water and exhaust emissions.



Designed for Durability

The OHN Series is built to withstand abuse. Tempered Magic Glass features IK10 certification,³ and offers protection from ballistic impact. And a special coating provides protection against graffiti.



Embedded Media Player

The embedded MagicInfo Player, backed by the powerful Tizen operating system, allows for easy content management and ensures seamless content transition and playback. All without the need for an external signage player or PC.



A Double-Sided Screen with Slim Depth

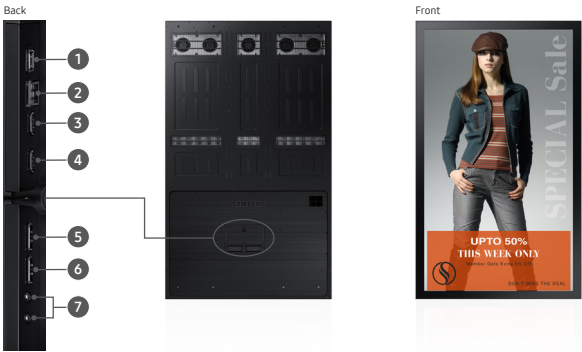
The OHN-D series has two screens to highlight brilliant content and graphics on each side. With 3,000nit brightness on both sides of the display, users can double their marketing in one location with vibrant content. Its slim design is ideal for a bus shelter or street billboards.

Samsung OHN / OHN-D Series Outdoor Displays

		OH85N-SK (Kit Type)	OH85N-DK Dual Sided (Kit Type)
Display	Screen Size	85"	85"
	Panel Technology	60Hz D-LED Local Dimming BLU	60Hz D-LED Local Dimming BLU
	Resolution	3840 x 2160 (16:9)	3840 x 2160 (16:9)
	Brightness	3,300 nits (w/o glass)	3,300 nits (w/o glass)
	Contrast Ratio (Typical)	3000:1	3000:1
	Viewing Angle	178° / 178°	178° / 178°
	Orientation	Landscape / Portrait	Portrait
	Response Time	8ms	8ms
	Panel Surface Treatment	Anti-Reflection	Anti-Reflection
Features	Tuner	No	No
	Wi-Fi / BT	No / No	No / No
	Built in Speaker	No	No
	Operation Time	24 / 7	24 / 7
	Special	IP56-Rated Simple Enclosure Outdoor (Kit Version Requires Third-Party Glass), Polarized Sun Glasses-Viewable in Any Direction, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor	IP5-Rated Simple Enclosure Outdoor (Kit Version Requires Third-Party Glass), Polarized Sun Glasses-Viewable in Any Direction, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor
Input	RGB	DP 1.2	DP 1.2 (2)
	Video	HDMI 2.0 (2)	HDMI 2.0 (4)
	HDCP	HDCP 2.2	HDCP 2.2
	Audio	N/A	N/A
	USB	USB 2.0 (1)	USB 2.0 (2)
Output	RGB	N/A	N/A
	Video	N/A	N/A
	Audio	Stereo Mini Jack	Stereo Mini Jack
External Control	External Control	RS232C (In), RJ45 (In)	RS232C (In), RJ45 (In)
	External Sensor	N/A	N/A
Power / Operation	Power Supply	AC 100 - 240 V - (+/- 10 %), 50/60 Hz	AC 100 - 240 V (+/- 10 %), 50/60 Hz
	Power Consumption (Typical / Max)	1010W / 1800W	2020 W / 3600W
	Power Consumption Sleep Mode / Off Mode	<1W	<1W
	Operating Temperature / Operating Humidity	-30°C - 50°C / 10 - 100% (Non-Condensing)	-30°C - 50°C / 10 - 100% (Non-Condensing)
Internal Media Player	Processor	Cortex A72 1.7GHz Quad-Core CPU	Cortex A72 1.7GHz Quad-Core CPU
	On-Chip Cache Memory	L1 Instruction Cache: 48KB	L1 Instruction Cache: 48KB
		L1 Data Cache: 32KB	L1 Data Cache: 32KB
		L2 Cache: 2MB	L2 Cache: 2MB
	Clock Speed	1.7GHz	1.7GHz
	Main Memory Interface	2.5GB, LPDDR4 1.5GHz 64bit	2.5GB, LPDDR4 1.5GHz 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: Up to 3840 x 2160 (Scale up from graphic processing result) - Supports OpenGL ES
		Storage (FDM)	8 GB (3.88 GB 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	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	Audio Decoder - AC3 (DD), MPEG
IO Ports		USB 2.0	USB 2.0
	Operating System	Tizen 4.0 (VDLinux)	Tizen 4.0 (VDLinux)
Dimensions / Weight	VESA Standard Wall Mount Interface	1000 x 1118.4 (M8 x 4 Hole), 500 x 1118.4 (M8 x 4 Hole)	N/A
	Product Dimension (without Stand) / Packing Dimensions	78.9" x 46.7" x 4.7" / 85.6" x 54.4" x 19.5" (without pallet)	79.2" x 47" x 9" / 89.9" x 59.4" x 22.7" (without pallet)
	Bezel Width	N/A	N/A
	Product Weight / Shipping Weight	302 lbs. / 407 lbs.	562 lbs. / 684.8 lbs.
Service	Standard Warranty	3 Years Parts Labor	3 Years Parts Labor

Connectivity

- 1. USB
- 2. RJ45
- 3. HDMI 1
- 4. HDMI 2
- 5. DP In (UHD 60Hz)
- 6. Audio Out
- 7. RS232C In



ProCare

Samsung ProCare Outdoor Display Solutions

- Fast Track with White Glove Next Day⁴ Service
 - Includes tech-assisted exchange of display: Technician removes original unit, installs replacement and ships non-working unit to Samsung
- 7-days-a-week service delivery, excluding holidays
- 3-5 year terms available

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¹Additional glass needed for OHN-SK kit-type. Non-kit version to be released at a later date. ²IP56 Rating: Water from heavy seas or water projected from jets shall not enter the machine in any harmful quantity. ³IK rating refers to the degree of resistance against external impacts on a scale of 0 to 10, where 10 indicates the highest level of protection. ⁴For Next Day exchange and installation, calls must be received by 6 p.m. local time.