



SAMSUNG SMART SIGNAGE SMALL SIZED OUTDOOR DISPLAY OH24E

ROBUSTLY DESIGNED COMPACT DISPLAY
SUITED FOR ANY ENVIRONMENT CONDITION

Samsung's versatile small outdoor signage allows businesses to discover a new world of customer engagement through the innovation of being able to showcase compelling and entertaining content to captive audiences at ATMs, gas pumps and other routine locations that they encounter throughout their day.

- Discover new levels of consumer engagement through unrivalled picture quality that harnesses 1500 nit brightness and robust screen performance with Reflection Cancelling Technology
- IP56 Certified to withstand challenging outdoor conditions, while maintaining 24/7 performance.
- Simplify outdoor signage enclosures with a thin and complete outdoor signage solution that requires no additional parts
- Realize heightened usability that facilitates efficient installation, operation and management

STUNNING IMAGERY FOR MAXIMUM IMPACT

Unparalleled and immaculate picture quality

The exemplary clarity and vivid brightness that emanate from OH24E displays allow them to effectively surpass all else that is presently being offered on the market, while the high contrast ratio allows for vibrant and meticulous detail to project from your outdoor signage. Taking technology one step further, circular polarizing technology bypasses potential visual limitations when viewing LCD displays with polarized sunglasses.

- **Enhanced clarity that delivers optimum brightness**
Outdoor signage displays that boast of 1,500 nit brightness in order to accommodate crisp and high quality visuals that you cannot expect to find available anywhere else on the market.
- **True depths of deeper black with an ultra-high contrast ratio**
Featuring video displays that utilize a high 4,000:1 contrast ratio that enable outdoor signage to emanate true and deep blacks, while providing vivid quality by capably contending with ambient light.
- **Circular polarizing technology that overcomes the visual limitations of displays**
Regardless if the display has been installed broadwise or palewise, the OH24E display contains circular polarizing technology that combats the visual impairment effects that LCD displays are known to cause, which allows for the screen to be completely visible to viewers who are wearing polarized sunglasses.

Highly optimized anti-reflection technology

Enhance clearer message delivery for greater impact through the innovative use of Reflection Cancelling Technology, which reduces reflection from 12.8% down to approximately 0.5%, while preventing glare under outdoor environments with direct sunlight. Meanwhile, a front nano coating layer on the 5 mm of Reflection Cancelling Protection Glass works to cut down surface reflection and reduce solar radiation. Embedded Samsung-developed RC film achieves a pinnacle of optical science that delivers clearer, more vivid images and presents distinctive differences in color, brightness and color uniformity for higher visibility.



ACCELERATED IMPLEMENTATION AND EASE OF USE

Conveniently and easily install, design and operate outdoor signage with an all-encompassing array of features in a single OH24E display. The all-inclusive design features ingress protection, anti-reflection technology, vandalism protection and a highly efficient cooling system. Take comfort in knowing that all of the components will arrive perfectly preassembled. The simple OH24E display enclosure requires no additional parts, such as protection glass for reflection canceling, air-conditioning equipment and additional enclosures, enabling it to be completely ready for virtually any space.

An all-in-one solution that allows businesses to wield thinner and more stylish displays than anything else available on the market, being fully and easily adaptable to any setting while meeting any outdoor design requirements that customers would hope for.



BUILT TO LAST AND WITHSTAND ALL ENVIRONMENTS

Ultra-high ingress defense level

Outdoor signage is often directly exposed to dust, water, temperature changes and many other environmental variables that can damage the panels and impede operation. OH24E displays ensure a higher level of ingress defense than most conventional outdoor displays with IP56 level protection that extends throughout the waterproof design, covering the fan, drain hole, plug and power outlets.



Protection from damaging effects of heat and radiation

Outdoor signage is exposed directly or indirectly to sunlight, therefore, it must be mechanically designed to endure heat. OH24E displays feature a Tni 110°C (230°F) panel that is designed to protect them from blackening defects that can occur when the display's surface temperature rises above its endurance level. This protection far exceeds the 75°C or 85°C(158°F or 176° F) endurance of conventional digital signage for high durability and reliability even under strong sunshine.

Heightened durability and 24/7 uptime

Outdoor signage communication with the general public requires a consistent and credible performance that can only be provided by the 24/7 operation and robust durability of OH24E displays. The ability to operate 24/7 also helps reduce TCO and increase ROI for the customer.

EFFORTLESS MANAGEMENT AND SIGNIFICANT COST SAVINGS

Integrated management of SSSP 3.0

Deploy a myriad of rich content with the OH24E built-in media player and simplified management through the 3rd Generation Samsung SMART Signage Platform (SSSP). The embedded, all-in-one 3rd Generation SSSP eliminates the need for a separate PC or media player to streamline operation of digital signage and improve total cost of ownership (TCO). New MagicInfo S3, a content management solution embedded in 3rd Generation SSSP enables you to create, deploy and manage content more easily than the previous version with an enhanced UI and UX. MagicInfo S3 leverages 3rd Generation SSSP, an open platform that offers compatibility with a myriad of third-party software to allow for heightened flexibility and usability with other applications.

Customizable Auto Brightness sensor

Optimize brightness control while reducing the operating expenses and power consumption of displays with an automatic brightness sensor. You can customize the maximum and minimum brightness within a range of 200-nit to 1500-nit brightness to complement any environment and manage expenses, while extending the overall life of the monitor.



SPECIFICATION

Model		OH24E
Display	Diagonal Size	23.8"
	Panel Type	S-VA
	Resolution	1920 x 1080 (16:9)
	Pixel Pitch (HxV)	273.9 x 273.9 mm
	Active Display Size (HxV)	525.888 x 295.812 mm
	Contrast Ratio	4,000:1
	Viewing Angle (H/V)	178/178
	Response Time	8 ms
	Display Color	8 bit - 16.7M
	Color Gamut	72%
	H-Scanning Frequency	60Hz
	Maximum Pixel Frequency	148.5Mhz
	V-Scanning Frequency	67.5KHz
	Brightness	1,500nit
Dynamic Contrast Ratio	100,000:1	
Connectivity	Video In	HDMI
	Audio Out	Stereo Mini Jack
Power	Power Supply	AC 100 - 240 V~ (+/- 10%), 50/60 Hz
Dimension	Set Dimension (WxHxD)	563.2 x 333.2 x 66.4 mm
	Package Dimension (WxHxD)	678.0 x 418.0 x 153.0 mm
Weight	Set Weight	10.6 kg
	Package Weight	12.0 kg
Mechanical Specification	VESA Mount	100 x 100 mm
	Bezel Width	18.4 mm
Operation Conditions	Temperature	-30~ 50 °C
	Humidity	10~80 %
General Feature	Special	IP56 Certified for Simple Enclosure Outdoor, Protection Glass(Anti Graffiti, Infrared Reduce), Polarized Sun Glasses Viewable in any direction, Portrait Installation Support, Button Lock, Lamp Error, tecttion, Auto Brightness Control with Ambient Brightness Sensor, Anti Image Retention, Temperature Sensor, Pivot Display, MagicInfo S3, Smart Scheduling, RJ45 MDC
Internal Player	MagicInfo Support	Yes
Certification and Compliance	EMC	FCC (USA) : Part 15, Subpart B Class A, CE (Europe) : EN55022, EN55024, VCCI (Japan) : V-3 (CISPR22), KCC (Korea) : KN22, KN24, BSMI (Taiwan) : CNS13438 (CISPR22), C-Tick (Australia) : AS/NZS3548, (CISPR22), CCC (China) : GB9254-2008, GB17625.1-201
	Safety	UL (USA) : UL 60950-1, CSA (Canada) : CSA C22.2 No. 60950-1, TUV (Germany) : EN60950-1, NEMKO (Norway) : EN60950-1, KC (Korea) : K60950-1, CCC (China) : GB4943.1-2011, PSB (Singapore) : IEC60950-1, GOST (Russia) : IEC60950-1, EN55022, SIQ (Slovenia) : IEC60950-1, EN55022, PCBC (Poland) : IEC60590-1, EN55022, NOM (Mexico) : NOM-019-SCFI-1998, IRAM (Argentina) : IEC60950-1, SASO (Saudi Arabia) : IEC60950-1
Accessory	Included	Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries

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SMART Signage

For more information about Samsung SMART Signage Small Sized Outdoor Display OH24E, visit www.samsung.com/displaysolutions

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