Samsung OH75A OHA Series (LH75OHAEBGBXEN)

Samsung OH75A - 75" Diagonal Class (74.5" viewable) - OHA Series LED-backlit LCD display - digital signage outdoor - full sun - Tizen OS - 4K UHD (2160p) 3840 x 2160 - Direct LED - black



When it comes to providing concise communication for customers, Samsung's OH75A features a bright screen for high visibility in various weather conditions. Also, designed for businesses, the OH75A is packed with robust hardware, ensuring longevity and flexibility.

Key Selling Points

Enhanced visibility with anti-reflection technology by Magic Protection Glass
Prevent humidity for optimal performance with hidden fans in the downside of the display
An optimum level of endurance equivalent to IK10 and extra durability with IP56 Ingress Protection

Product Features

Clear and vivid anytime, anywhere
With UL verification, Samsung's OH75A provides UHD resolution and over 3,500 nit brightness, allowing high visibility in various weather conditions. Designed for the outdoors, the display is built with circular polarizing technology, that eliminates display blindness caused by polarized sunglasses.

Bright and vivid colors for accurate communication and delivery
The OHA series delivers advanced color accuracy and brightness, creating vivid content through enhanced color reproduction of all red, green and blue shades. With crisp content being what customers now expect, the OHA's uncompromised picture quality will be sure to capture customer attention.

Crystal Processor 4K
Intelligent UHD upscaling technology, made possibly by Samsung's Crystal Processor 4K, allows content developed at a lower resolution to be elevated to UHD-level quality. It also performs edge restoration and noise reduction to optimize on-screen text and imagery.

Dynamic Crystal Display
The OH75A series features Dynamic Crystal Display, using 10 bit processing for flawless color expression, allowing viewers to enjoy a wider spectrum of colors up to one billion shades. HDR+ compatibility converts standard definition content to HDR quality for sharper contrast and more vivid colors.

Enhanced visibility with anti-reflection technology
Samsung OH75A is enhanced by Magic Protection Glass, which utilizes advanced anti-reflection technology. This innovative solution ensures much better visibility when watching in broad daylight, with a significantly low total reflection rate, ensuring clearer images and text for every viewer.

Optimized protection in a variety of outdoor conditions
With certified IP56-rated protection, OHA delivers robust reliability to withstand physical impact as well as dust and water that might affect the display. This ensures optimized operation in a variety of outdoor conditions for consistent performance.

Robust durability for screen safety
Fitted with tempered Magic Protection Glass, the Samsung OHA provides durability that is IK10-rated, ensuring advanced safety and protection against external impact. This ensures the product is safe against unexpected damage, giving store manager better peace of mind.

Powerful, protective security
The OHA series uses comprehensive three-layer security protection, powered by Samsung's proprietary Knox technology, supporting application development on the secured platform and minimization of security attacks.

Main specifications

Product Description	*Samsung OH75A OHA Series - 75" Class (74.5" viewable) LED-backlit LCD display - 4K - outdoor - for digital signage*
Product Type	*LED-backlit LCD flat panel display - outdoor*
Diagonal Class	*75"*
Diagonal Size	*74.5"*
Commercial Use	*Yes - digital signage*
Sun Exposure	*Full sun*
Colour	*Black*
Platform	*Tizen OS*
Resolution	*3840 x 2160*
Display Format	*4K UHD (2160p)*
Video Interface	*HDMI*

Connectivity	*LAN*
PC Interface	*DisplayPort*
LCD Backlight Technology	*Direct LED*
Image Aspect Ratio	*16:9*
TV Tuner	*No tuner*
Commercial Features	*Visible with Polarised Sunglasses, MagicInfo S7 Player*
Picture Enhancements	*72% Colour Gamut*
Storage Capacity	*8 GB (system 3.88 GB + available 4.12 GB)*
USB	*Yes*
Included Accessories	*Remote control*
Power Consumption Operational	*471 watt*
Dimensions (WxDxH) - without stand	*177.48 cm x 13 cm x 105.34 cm*
Weight	*134 kg*
Manufacturer Warranty	*3-year warranty*

Extended specification

Media Player

Supported Video Formats	*H.264, HEVC, VP9, VP8, AVS+, SHVC*
Supported Audio Formats	*AC3*
USB Port	*Yes*
USB Ports Qty	*1*
Configuration	*ARM Cortex-A72 Quad-Core (1.7 GHz) - 2.5 GB LPDDR4 - 8 GB (system 3.88 GB + available 4.12 GB)*

General

Product Type	*LED-backlit LCD flat panel display*
Power Consumption Operational	*471 watt*
Power Consumption SDR (On mode)	*471 kWh/1000h*
Diagonal Class	*75"*
Diagonal Size	*74.5"*
Commercial Use	*Yes - digital signage*
Series	*OHA Series*
Outdoor	*Yes*
Sun Exposure	*Full sun*
Platform	*Tizen OS*
Operating System	*Tizen OS 5.0*
TV Tuner	*No tuner*
TV Tuner Presence	*No*
Video Interface	*HDMI*
PC Interface	*DisplayPort*
Picture Enhancements	*72% Colour Gamut*
Protection	*Dustproof, weatherproof, magic protection glass*
Dimensions	*Without stand*
Width	*177.48 cm*
Depth	*13 cm*
Height	*105.34 cm*
Weight	*134 kg*
Enclosure Colour	*Black*

Power

Power Device	Power supply
Power Consumption Sleep	0.5 watt

Environmental Parameters

Min Operating Temperature	-30 °C
Max Operating Temperature	50 °C
Humidity Range Operating	10 - 80% (non-condensing)

Manufacturer Warranty

Service & Support	Limited warranty - 3 years

Remote Control

Type	Remote control
Battery Included	Yes

Stands & Mounts

Flat Panel Mount Interface	260 x 1118.4, 870 x 1118.4
VESA Compatibility	Yes

Dimensions & Weight (Shipping)

Width (Shipping)	193.2 cm
Depth (Shipping)	36.7 cm
Height (Shipping)	125.1 cm
Weight (Shipping)	150 kg

Display

Pixel Pitch	0.43 mm
Resolution	3840 x 2160
Display Format	4K UHD (2160p)
Image Aspect Ratio	16:9
LCD Backlight Technology	Direct LED
Coating	1% haze
Image Contrast Ratio	1200:1
Brightness	3500 cd/m²
Viewing Angle	178 degrees
Viewing Angle (Vertical)	178 degrees
Response Time	14 ms
Commercial Features	Visible with Polarised Sunglasses, MagicInfo S7 Player
Operation Hours / Days	24 / 7
Features	Pivot, SSSP 7.0, 1.07 billion colours

Network & Internet Multimedia

Connectivity	LAN

Connections

Connector Type	2 x HDMI input ¦ DisplayPort input ¦ USB 2.0 ¦ Audio line-out ¦ RS-232 input ¦ RS-232 output ¦ LAN input ¦ LAN output

Miscellaneous

Compliant Standards	UL, CB, IEC 60950-1, EN 60950-1, IK10, EMC Class A, HDCP 2.2, IP56

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