# SAMSUNG

# Outdoor Signage OH24B

Unlock new opportunities, built for outdoor reliability



## Outdoor signage evolving to meet new business needs

As the purposes of outdoor signage evolve, size and feature options are being optimized to suit the needs of various business environments. Digitized menus and dynamic advertisements with offers and promotions influence consumers' purchase decisions while they wait in the drive-thru or charge their cars. To capitalize on this trend, businesses can strengthen customer loyalty with a signage solution equipped with enhanced communication tools. Moreover, busy storeowners and managers need reliable outdoor signage that is easy to install and operate so they can focus on business priorities.

## Upgrade your business with Samsung's outdoor solution

As a result of its premium technology and manufacturing expertise, Samsung has been ranked number1\* in the display market for 13 consecutive years. Samsung's OHB series offers clear picture quality and durability for effective marketing and operational ease. The display's compact size makes it suitable for a variety of business environments. Built to function reliably outdoors, the OHB digital display enables you to create new opportunities to delight customers.



\* Smart Signage M/S (unit)

Source: 09-12: Display industry research company "Display Search", 13-21: Market research company "Omdia"
 Note: Consumer TVs, along with Commercial Lite and Hospitality TVs used for signage are excluded



### Clear and vivid from everywhere



#### Optimized visibility for the outdoors

With brightness levels over 1,500 nits and UL verification for outdoor visibility, the OH24B displays clear content outdoors, including direct sunlight and for viewers wearing sunglasses. As light levels change, the built-in sensor automatically adjusts the screen for appropriate brightness.

\* Images and enclosure are simulated and for illustration purpose only.

## Trustful reliability for peace of mind



#### Certified durability for various outdoor environments

The OH24B is protected from the elements with an IP66 rating, enhancing the dustproof level compared to IP56. Its IP66 dust- and waterproof features provide maximum durability for seamless operation outdoors. The OH24B is built to withstand intense weather conditions, even in extremely dusty areas.

\* IP66 (Ingress Protection Rating): Degrees of protection provided by enclosures (IEC 60529)



# Advanced technology for screen protection and security

The OH24B's Advanced Magic Glass technology IK10 rating certifies greater screen durability. This effectively protects the screen to minimize damage from physical impact. The lock function provided by the Kensington lock slot reduces the risk of theft for added business security and peace of mind.



#### Certified packaging for safe delivery

After passing a rigorous International Safe Transit Association(ISTA) certified test, the OH24B specialized packaging has been deemed durable for transportation. The certified packaging guarantees a safer delivery to minimize product damage while in transit for a display that is ready to go upon arrival.

\* The IK European strength test rating uses a 0-10 scale (where 10 indicates the highest possible protection) to measure the degree of resistance against external impact.

### Considerate design for seamless operation



#### Slim and compact design

Even with Magic Glass technology applied, the OH24B has a depth of 59.8mm. The slim design allows for efficient space utilization and installations in compact locations. At the same time, the connectivity, content play, and device controls remain easy to operate on this sleek model.



#### Convenient connectivity and installation

The OH24B has a detachable terminal cover to change ports without disassembling it. The ability to switch between HDMI, USB and LAN ports provides convenient connectivity. Its four installation points and VESA mount make installation easy and flexible for various environments.



#### Enhanced WiFi/Bluetooth capabilities

An external WiFi/Bluetooth module can be attached to the OH24B to support higher receiver connectivity. The position of the WiFi/ Bluetooth accessory can be adjusted to suit different installation environments.



#### Deliver vibrant content with efficiency

For most business, energy efficiency is a must and it is a key component to controlling operational costs. Samsung OH24B consumes less power than conventional displays while delivering a brilliant picture and spectacular performance through enhanced BLU panel.

\* Max power consumption: Conventional(110W) vs OH24B(90W) \* "Conventional" refers to Samsung's OH24E series. \* BLU: Back Light Unit



#### Supports the latest web-based content

Upload any piece of content, no matter how innovative. OHB's constant web-engine upgrades enables the latest types of content to be played without limitations, allowing for more diversified and engaging creative assets.



#### Powerful solution for efficient management

The OH24B comes with a digital signage CMS tool. This powerful tool offers valuable advertising benefits with smooth content creation, scheduling, and monitoring by the supported Samsung MagicINFO™ 10 player.

\* CMS: Content Management Solution

## Specifications

Base of the sector of		Model		OH24B
Image: contract			Class	24
		Diagonal Size	Measured	23.8" / 60.4cm
Matrix      Ladacay Ivoriat        0      0        1000000000000000000000000000000000000		Reso	lution	1,920 x 1,080 (16:9)
Number      Number      Number        Contract Ratio (typ) -      1,0003        Contract Ratio (typ) -      10,5003        Reference      5710911-574.41(7)        Contract Ratio (typ) -      20,273.01,273.41(7)        Contract Ratio (typ) -      20,273.01,273.41(7)        Contract Ratio (typ) -      20,273.01,273.41(7)        Contract Ratio (typ) -      20,773.41(7)        Contrat Ratio (typ) -      20,773.41(7)		Brightness(Typ.)		1,500 nit
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	Panel	Contrast F	Ratio (Typ.)	1,000:1
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Interaction of the second s				527.04(H) x 296.46(V)
Operation      Mode of the second sec		Pixel Pit	ch (mm)	0.2745 x 0.2745
		Color Gamut		72 %
		Operation Hour		24/7
Input      Add00      N/A        USB      USB 20.2        Generative State      Second        Output      VDE 0        Output      WDE 0        Output      Second        Forestand WDE 0      Second        Output      Second        Output      Second        Output      Second        Method 1      Second        Procestand MDE 0      Second        Output      Second        VESA Mount Second      Second        VESA Mount Second      Second        VESA Mount Second      Output        VESA Mount Second      Second        VESA Mount Second      Second        VESA Mount Second      Second Procestand ME/SECOND        VESA Mount Second      Second Procestand ME/SECOND        VESA Mount Second      Second Procestand ME/SECOND        Second Procestand Second Procestand Procestand Procestand Procestand Procestand Procesta		VIDEO		HDMI 2.0
Concectivity (Source)      USB      USB2.0 ± 2        Vine      NA        Output      VIDE        Output      VIDE        Output      VIDE        Output      USB        VIDE      NA        Figure Source      Figure Source        Figure Source      Figure Source        Figure Source      Figeuing Source        Fig			HDCP	HDCP2.2
Vision /Sound      Interim      Number (Note)        Vision /Vision      Vision /Vision      Number (Number (Number)        Vision      Vision      Number (Number)        Vision      Vision      Number (Number)        Vision      Vision      Number (Number)        Participation      Set      Set      Set        Vision      Set      Set      Set        Set      Set      Set      Set        Set </td <td></td> <td rowspan="3">Input</td> <td>AUDIO</td> <td>N/A</td>		Input	AUDIO	N/A
Visual Opport      VIDEO      NA        AUD/O      Streer min Jack        AUD/O      Streer min Jack        AUD/O      Streer min Jack        Image: Streer min Jack      Streer min Jack        Image: Streer Streer min Jack      Streer Str			USB	USB 2.0 x 2
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Internal Pairs      AUD/O      Steer minical        000 <td></td> <td rowspan="3">Output</td> <td>VIDEO</td> <td>N/A</td>		Output	VIDEO	N/A
Wif-/ BT      External Utif/BT(In-bax Accessory)        Internal Vice Internation Vice Internal Vice Inter	, sound		AUDIO	Stereo mini Jack
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Image: Probability of the second s		WiF	i/BT	External WiFi/BT (In-box Accessory)
Present minima in the second		External Control		RS232C(in), RJ45
Dimension (mm)      Package      730.0 x 438.0 x 140.0        Mechanical Special      Set      6.4        Weight (kg)      Set      0.0        VESA Mount Surve (Min -Max)      0.00 x 100        VESA Mount Surve (Min -Max)      0.00 x 100        Bacet UESA      Power-box Integrated, IP66, IK-10, Built-In Magicino Payer S10, SSSP 10.0, External WIF/0T        Features      Processor      Power-box Integrated, IP66, IK-10, Built-In Magicino Payer S10, SSSP 10.0, External WIF/0T        Features      Processor      Power-box Integrated, IP66, IK-10, Built-In Magicino Payer S10, SSSP 10.0, External WIF/0T        Features      Processor      Power-box Integrated, IP66, IK-10, Built-In Magicino Payer S10, SSSP 10.0, External WIF/0T        Features      Processor      Power-box Integrated, IP66, IK-10, Built-In Magicino Payer S10, SSSP 10.0, External WIF/0T        Features      Processor      Power-box Integrated, IP66, IK-10, Built-In Magicino Payer S10, SSSP 10.0, External WIF/0T        Special      Processor      Processor      Processor        Special      Processor      Processor      Processor        Special      H/W      Processor      Processor        Special      SrW      SrW      Processor		Speaker		N/A
Mechanical Special      Package      0730.04.88.04.04.00        Weight (kg)      Set      6.4        Package      0      0        VESA Mount>      000000000000000000000000000000000000			Set	573.0 x 342.4 x 59.8
Mechanical Special      Package      10        VESA Mount SC=ver Min-Maxi VESA Mount SC=ver Min-Maxi Second With Min-Maxi VESA Mount SC=ver Min-Maxi VESA Mount			Package	730.0 x 438.0 x 140.0
Special      Package      10        VESA Mont S⊂ee (Min-Max)      000,100        VESA Mont S⊂ee (Min-Max)      0.00,100        Bezet/Web:      Power-box Integrated,1966, Ki-0, Buit-In MagicInfo Player SDSD 10, External WiF//BT        Internal Player      Power-box Integrated,1966, Ki-0, Buit-In MagicInfo Player SDSD 10, External WiF//BT        Processor      Power-box Integrated,1966, Ki-0, Buit-In MagicInfo Player SDSD 10, External WiF//BT        Processor      Power-box Integrated,1966, Ki-0, Buit-In MagicInfo Player SDSD 10, External WiF//BT        Processor      Power-box Integrated, 1966, Ki-0, Buit-In MagicInfo Player SDSD 10, External WiF//BT        Processor      Power-fox Integrated, 1966, Ki-0, Buit-In MagicInfo Player SDSD 10, External WiF//BT        Processor      Processor      Cortex A721.76Hz Quad-Core CPU        Processor      Processor      Processor        Special      H/W      Storage (FDM)        Processor      Processor      Processor        Special      H/W      Storage (FDM)        Special      H/W      Storage (FDM)        Processor      Storage (FDM)      Auto Brightness Concollation (Hon-Condensity)        Special      H/W      Storage (FDM)        Special <td< td=""><td>Set</td><td>8.4</td></td<>			Set	8.4
VESA Mount Sec + Max +		weight (kg)	Package	10
Image: Image	Spec	VESA Mount		100 x 100
Features      Operating System      Operating System        Internal Player      Pocessor      Cortex A7217GHz Quad-Core CPU        Storage (FDM)      Storage (FDM)      8GB (3866B Occupied by 0/S, 412GB Available)        Features      Freedom      Freedom        Special      H/W      Response        Special      S/W      Response		VESA Mount Screw (Min~Max)		M4, 4~6
Internal Player      Operating System      Tizen 6.5 (VDLinux)        Internal Player      Processor      Cortex A72 17GHz Quad-Core CPU        Internal Player      Storage (FDM)      0808 188868 Docupied by 0/5, 412GB Anallable)        Features      Processor      Description of the performation of the storage of the performation of the storage of the performation of the storage o		Bezel Width (mm)		21.9mm
Internal Player      Processor      Cortex A7217GHz Quad-Core CPU        Features      Storage (FDM)      86B (38 GB Occupied by 0/5, 412GB Available)        Processor      Processor      Processor        Special      H/W      Processor        H/W      Processor      Processor        Special      H/W      Processor        Special      H/W      Processor        Special      File      Cortex XF17000 (Cortex XF17000 (Cortex XF17000 (Cortex XF17000 (Cortex XF1700 (Corte		Кеу		Power-box Integrated, IP66, IK-10, Built-in MagicInfo Player S10, SSSP10.0, External WiFi/BT
Features      Index      Storage (FDM)      Storage (FDM) <thstorage (fdm)<="" th="">      Storage (FDM)</thstorage>		Internal Player	Operating System	Tizen 6.5 (VDLinux)
Features      special      H/W      Image: special			Processor	Cortex A72 1.7GHz Quad-Core CPU
Features      special      HW      Protection Glass(K-10 Level, Ant Graffit, Infrared Reduce), Polarized Sun Glasses Viewable in any direction, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, Clock Battery(168hrs: Clock Keeping), Kensington Lock, STChemical Strengthening Tempered Glass        5/W      Auto Source Switching & Recovery, RJ45 MDC        6/F      S/W      Auto Source Switching & Recovery, RJ45 MDC        6/F      S/W      Auto Source Switching & Recovery, RJ45 MDC        6/F      S/W      Auto Source Switching & Recovery, RJ45 MDC        6/F      S/W      Auto Source Switching & Recovery, RJ45 MDC        6/F      S/W      Clock Addition (Source Switching & Recovery, RJ45 MDC        6/F      S/W      Clock Addition (Source Switching & Recovery, RJ45 MDC        6/F      S/W      Clock Addition (Source Switching & Recovery, RJ45 MDC        6/F      S/W      Clock Addition (Source Switching & Recovery, RJ45 MDC        6/F      S/W      Source Switching			Storage (FDM)	8GB (3.88GB Occupied by O/S, 4.12GB Available)
Image: Certification      Safe (Simple Simple Simp	Features	Special	H/W	Protection Glass(IK-10 Level, Anti Graffiti, Infrared Reduce), Polarized Sun Glasses Viewable in any direction, Auto Brightness Control with Ambient Brightness Sensor, Temperature Sensor, Clock Battery(168hrs Clock Keeping), Kensington Lock,
Image: Certification      Image: Class A        Image: Ceritretee      Image: Class A			S/W	Auto Source Switching & Recovery, RJ45 MDC
Certification      Environment      N/A        IPRetification      IPRetification      IPRetification        IPRetification      IPRetification      IPRetification        Power      Generation      Max [W/h]      AC100-240 V, 50/60 Hz        Power      Max [W/h]      Generation      Generation        Power      Max [W/h]      Generation      Generation        Power      Typical [W/h]      Generation      Generation        Steep mode [W/h]      Generation      Generation      Generation        Generation      Relativ=trify      Generation      Generation        Accessories      Generation      Generation      Generation        Accessories      Stand      Generation      Generation	Certification			60950-1, 62368-1
IPR    IPR      IPR    IPR      IPR    IPR      IPR    Max [W/h]      IPR    Max [W/h]      IPR    Max [W/h]      IPR    Max [W/h]      IPR    IPR      IPR    Max [W/h]      IPR    Max [W/h]      IPR    Max [W/h]      IPR    IPR      IPR    Max [W/h]      IPR    Max [W/h]      IPR    Max [W/h]      IPR    IPR      IPR    <				
Image: Second				
Power      Max [W/h]      Max [W/h]        Power Consumption      Max [W/h]      90        Power Consumption      Typical [W/h]      70W        Steep mode [W/h]      Steep mode [W/h]      0.5        Operating Condition      Relativ= IV      -30°C~50°C        Relativ= IV      010-100% (Non-condensing)        Power Cord      Power Cord		IP Rating		IP66
Power      Max [W/h]      90        Power Consumption      Typical [W/h]      70W        Sleep mode [W/h]      10      0.5        Operating Condition      Tem=      -30°C~50°C        Relative:      100~100% (Non-condensing)        Power Consumption      Stand      Nax [W/h]        Accessories      Stand      N/A        Optional      Mount      Sold Separately				
Power      Typical [W/h]      Typical [W/h]      Typical [W/h]        Sleep mode [W/h]      Sleep mode [W/h]      0.5        Operating Condition      Tem	Power			
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Sleep mode [W/h]  0.5    Operating Condition  Tem=			Typical [W/h]	
Operating Condition  Relative  10~100% (Non-condensing)    Quick Setup Guide Warranty Card Power Cord Remote Controller + Batteries External WiFi/BT    Accessories  Stand  N/A    Optional  Mount  Sold Separately			Sleep mode [W/h]	
Condition  Relative Humidity  10~100% (Non-condensing)    Accessories  Include  Include  Quick Setup Guide    Accessories  Stand  N/A    Optional  Mount  Sold Separately	Operating	Temperature		-30°C~ 50°C
Accessories      Include      Stand      Warranty Card Power Cord Remote Controller + Batteries External WiFi/BT        Optional      Mount      Stand      N/A	Condition	Relative Humidity		10~100% (Non-condensing)
Stand  N/A    Optional  Mount  Sold Separately	Accessories	Included		Warranty Card Power Cord Remote Controller + Batteries
	Accessoiles		Stand	N/A
Specialty N/A		Optional	Mount	Sold Separately
			Specialty	N/A

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Samsung Electronics Co., Ltd. 416, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-772, Korea