



# SAMSUNG SMART SIGNAGE OUTDOOR DISPLAYS OMF SERIES

Engage customers through a compact, eye-catching design ready for any storefront

Samsung's OMF Series outdoor displays (Kit and W types) condense all of the components and technologies required for efficient customer engagement into a single, slim-depth (79 mm.) solution. Built for flexibility and durable, 24/7 performance, the OMF Series displays feature temperature regulation systems that minimize energy consumption and related expenses. A brilliant design including high 2,500nit brightness and a 5,000:1 contrast ratio further produces a high-quality picture in any storefront or window showcase.

## HIGHLIGHTS

- Find convenience in an all-in-one signage solution
- Clearly showcase featured content through an ultra-slim depth (79 mm.) design
- Maintain ongoing storefront connectivity through embedded and adaptable Network Hub (LAN OUT) and Wi-Fi functionalities
- Empower 24/7 customer engagement with high, 2500nit brightness
- Accommodate unique business needs with kit-type or complete-product configurations
- Achieve convenient content management through an advanced, TIZEN-powered platform

## KEY FEATURES



### A PERFECT FIT FOR ANY STOREFRONT

The OMF Series displays are slimly-designed, fully integrated and accommodating of premium window-front and inside retail locations where they can make the most impact. Enhanced panel technology shrinks the OMF Series displays' thickness to nearly half of that offered by conventional OMD models (140 mm. to 79 mm.), and results in a compact offering that gives retailers greater placement flexibility while conserving valuable space.



### DELIVER VIVID PROMOTIONAL MESSAGING WITH EXCELLENT VISIBILITY

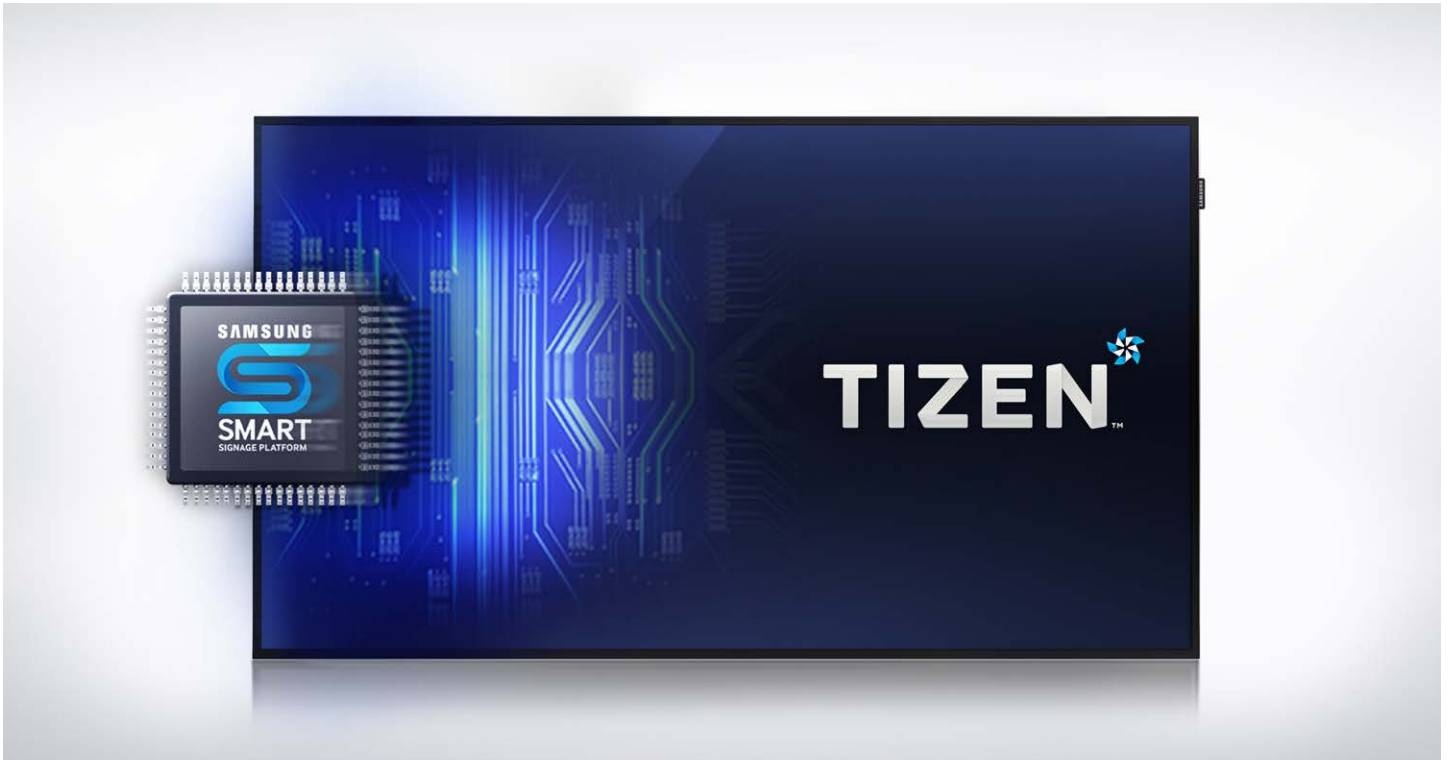
Through high brightness (2,500nit) and an elevated contrast ratio (5,000:1), the OMF Series displays enable businesses to attract customers through clearer and more effective promotional messaging. OMF Series users further can adjust their displays' brightness settings to maximize visual quality in various lighting environments, with an integrated sensor meeting these demands while managing power consumption.



### RELY ON THE OMF SERIES, EVEN IN DEMANDING CONDITIONS

A reinforced, panel-based design prepares the OMF Series to perform continuously even when faced with challenging environmental conditions. These displays can withstand temperatures as high as 110°C (230°F), ensuring durability against indirect sunlight exposure. Additionally, the OMF Series reduces operational noise levels to 30 dBA at a one-meter distance, eliminating a common source of distraction associated with in-window digital signage.

## KEY FEATURES



### FACILITATE ROBUST CONTENT CREATION AND MANAGEMENT

Samsung's MagicInfo Player S4 equips OMF Series users with a new graphic engine that boosts overall display performance while ensuring a seamless content transition. The platform also operates as an advanced content management solution that enables more convenient content creation, scheduling and deployment. MagicInfo Player S4 is robust enough to help large organizations monitor and manage multiple OMF Series displays through a single, centralized server.



### CUSTOMIZE FOR ANY BUSINESS ENVIRONMENT

The OMF Series display line is available in two variations to suit a range of unique business needs. As a standalone kit-type panel, the OMF-K model is designed for specialized use in customized configurations and environments. The OMF-W model is an aesthetically-pleasing standalone alternative that is suitable for in-window store display usage, with a back cover that hides its connectivity ports and openings.



### DAISY-CHAIN DISPLAYS WITHOUT COMPLICATION

To maximize impact, retail users can align multiple OMF Series displays into a streamlined, daisy-chained video wall without sacrificing content quality. The displays' integrated DisplayPort (DP) 1.2 multi-stream support enables users to configure their video wall with a single media player or PC in place of an external controller or alternate equipment.

OM46F-W / OM55F-W



FRONT



BACK

OM46F-K / OM55F-K



FRONT



BACK

CONNECTIVITIES



OM46F-W / OM55F-W

1. IR IN OUT
2. RS232C IN OUT
3. AUDIO OUT
4. USB
5. RJ45(LAN OUT)
6. HDBT(LAN IN)
7. HDMI IN1
8. HDMI IN2
9. DP IN
10. DAISY CHAIN



OM46F-K / OM55F-K

1. IR IN OUT
2. RS232C IN OUT
3. AUDIO OUT
4. USB
5. RJ45(LAN OUT)
6. HDBT(LAN IN)
7. HDMI IN1
8. HDMI IN2
9. DP IN
10. DAISY CHAIN

MODEL			OM46F-W	OM55F-W	OM46F-K	OM55F-K
Panel	Diagonal Size	Class	46	55	46	55
		Measured	45.9" / 116.8cm	54.6" / 138.7cm	45.9" / 116.8cm	54.6" / 138.7cm
	Type		120Hz E-LED BLU	120Hz E-LED BLU	120Hz E-LED BLU	120Hz E-LED BLU
	Resolution		1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)
	Pixel Pitch(mm)		0.530 x 0.530	0.630 x 0.630	0.530 x 0.530	0.630 x 0.630
	Active Display Area(mm)		1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)	1018.08(H) x 572.67(V)	1209.6(H) x 680.4(V)
	Brightness(Typ.)		2,500 cd/m2	2,500 cd/m2	2,500 cd/m2	2,500 cd/m2
	Contrast Ratio		5,000:1	5,000:1	5,000:1	5,000:1
	Viewing Angle(H/V)		178/178	178/178	178/178	178/178
	Response Time(G-to-G)		6ms	6ms	6ms	6ms
	Display Colors		8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M
	Color Gamut		72%	72%	72%	72%
	Operation Hour		24/7	24/7	24/7	24/7
	Haze		0%	0%	0%	0%
Display	H-Scanning Frequency		108 ~ 139.5 KHz	108 ~ 139.5 KHz	108 ~ 139.5 KHz	108 ~ 139.5 KHz
	V-Scanning Frequency		98 ~ 122 Hz	96 ~ 123 Hz	98 ~ 122 Hz	96 ~ 123 Hz
	Maximum Pixel Frequency		297MHz	297MHz	297MHz	297MHz
Sound	Speaker Type		N/A	N/A	N/A	N/A
Connectivity	INPUT	RGB	Display Port 1.2 (1)	Display Port 1.2 (1)	Display Port 1.2 (1)	Display Port 1.2 (1)
		VIDEO	HDMI2.0 (2)	HDMI2.0 (2)	HDMI2.0 (2)	HDMI2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2	HDCP 2.2
		AUDIO	N/A	N/A	N/A	N/A
		USB	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)	USB 2.0 (1)
	OUTPUT	RGB	DP1.2 (Daisy Chain)	DP1.2 (Daisy Chain)	DP1.2 (Daisy Chain)	DP1.2 (Daisy Chain)
		VIDEO	N/A	N/A	N/A	N/A
		AUDIO	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
		Power Out	N/A	N/A	N/A	N/A
		USB	N/A	N/A	N/A	N/A
	External Control		RS232C (In/Out), RJ45 (In/Out), HDBaseT (In)	RS232C (In/Out), RJ45 (In/Out), HDBaseT (In)	RS232C (In/Out), RJ45 (In/Out), HDBaseT (In)	RS232C (In/Out), RJ45 (In/Out), HDBaseT (In)
External Sensor		Detachable Type (IR)	Detachable Type (IR)	Detachable Type (IR, Ambient)	Detachable Type (IR, Ambient)	
Tuner		N/A	N/A	N/A	N/A	
Power	Type		Internal	Internal	Internal	Internal
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
	Power Consumption	Max[W/h]	455	533	455	533
		Typical[W/h]	W/W(EU) 191 US/KOR/Etc. 311 ※ Etc: CHINA, TAIWAN, BRA, CIS	W/W(EU) 260 US/KOR/Etc. 431 ※ Etc: CHINA, TAIWAN, BRA, CIS	W/W(EU) 191 US/KOR/Etc. 311 ※ Etc: CHINA, TAIWAN, BRA, CIS	W/W(EU) 260 US/KOR/Etc. 431 ※ Etc: CHINA, TAIWAN, BRA, CIS
		BTU(Max)	1551.55	1817.53	1551.55	1817.53
		Sleep mode	0.5W	0.5W	0.5W	0.5W
Off mode		0.5W	0.5W	0.5W	0.5W	

MODEL			OM46F-W	OM55F-W	OM46F-K	OM55F-K
Mechanical Spec	Dimension (mm)	Set	1069 x 623.6 x 78.5 mm	1260 x 731.4 x 78.5 mm	1050 x 604.1 x 75.8 mm	1245.8 x 711.8 x 75.8 mm
		Package	1156 x 713 x 200 mm	1358 x 845 x 230 mm	1156 x 713 x 200 mm	1358 x 845 x 230 mm
	Weight (kg)	Set	29.9kg	38.8kg	25.1kg	32.7kg
		Package	34.6kg	44.5kg	29.4kg	38.3kg
	VESA Mount		995 x 500 mm (Basic) 1000 x 400 mm (VESA Bracket Option)	1186 x 560 mm (Basic) 1200 x 400 mm (VESA Bracket Option)	686.6 x 231.5 mm (M4 x 10 Hole)	763.4 x 236.5 mm (M4 x 12 Hole)
	Protection Glass		N/A	N/A	N/A	N/A
	Stand Type		N/A	N/A	N/A	N/A
Bezel Width (mm)		24.6 / 24.6 / 24.6 / 24.6	24.6 / 24.6 / 24.6 / 24.6	14.5 / 14.5 / 14.5 / 14.5	14.5 / 14.5 / 14.5 / 14.5	
Operation	Operating Temperature		0°C~ 30°C (Direct Sunlight) 0°C~ 50°C (w/o Direct Sunlight) 0°C~ 50°C (Direct Sunlight in Cooling System w/o SBB)	0°C~ 30°C (Direct Sunlight) 0°C~ 50°C (w/o Direct Sunlight) 0°C~ 50°C (Direct Sunlight in Cooling System w/o SBB)	0°C~ 30°C (Direct Sunlight) 0°C~ 50°C (w/o Direct Sunlight) 0°C~ 50°C (Direct Sunlight in Cooling System w/o SBB)	0°C~ 30°C (Direct Sunlight) 0°C~ 50°C (w/o Direct Sunlight) 0°C~ 50°C (Direct Sunlight in Cooling System w/o SBB)
	Humidity		10~80%	10~80%	10~80%	10~80%
Key			Semi-Outdoor Solution (Window), WiFi(Back side usage only) Built-in MagicInfo Player S4, SSSP 4.0	Semi-Outdoor Solution (Window), WiFi(Back side usage only) Built-in MagicInfo Player S4, SSSP 4.0	Semi-Outdoor Solution (Kit), WiFi(Back side usage only) Built-in MagicInfo Player S4, SSSP 4.0	Semi-Outdoor Solution (Kit), WiFi(Back side usage only) Built-in MagicInfo Player S4, SSSP 4.0
	Special		Polarized Sun Glasses Viewable in any direction, HD Base T for Long Distance Installalling, 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	Polarized Sun Glasses Viewable in any direction, HD Base T for Long Distance Installalling, 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	Polarized Sun Glasses Viewable in any direction, HD Base T for Long Distance Installalling, 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)	Polarized Sun Glasses Viewable in any direction, HD Base T for Long Distance Installalling, 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)
Feature	Internal Player (Embedded H/W)	Processor	Cortex-A12 1.3GHz Quad Core CPU	Cortex-A12 1.3GHz Quad Core CPU	Cortex-A12 1.3GHz Quad Core CPU	Cortex-A12 1.3GHz Quad Core CPU
		On-Chip Cache Memory	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB
		Clock Speed	1.3GHz CPU Quad	1.3GHz CPU Quad	1.3GHz CPU Quad	1.3GHz CPU Quad
		Main Memory Interface	2.5GB 3 channel 96bit DDR3-933 (1866MHz)	2.5GB 3 channel 96bit DDR3-933 (1866MHz)	2.5GB 3 channel 96bit DDR3-933 (1866MHz)	2.5GB 3 channel 96bit DDR3-933 (1866MHz)
		Graphics	2D & 3D Graphics Engine - Up to 3840x2160p. 32bpp - Supports OpenGL ES	2D & 3D Graphics Engine - Up to 3840x2160p. 32bpp - Supports OpenGL ES	2D & 3D Graphics Engine - Up to 3840x2160p. 32bpp - Supports OpenGL ES	2D & 3D Graphics Engine - Up to 3840x2160p. 32bpp - Supports OpenGL ES
		Storage (FDM)	8GB (3.75GB Occupied by O/S, 4.25GB Available, )	8GB (3.75GB Occupied by O/S, 4.25GB Available, )	8GB (3.75GB Occupied by O/S, 4.25GB Available, )	8GB (3.75GB Occupied by O/S, 4.25GB 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 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.	Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.	Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.	Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG, VP8, VP9 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.
		IO Ports	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Operating System	Tizen 2.4 (VDLinux)	Tizen 2.4 (VDLinux)	Tizen 2.4 (VDLinux)	Tizen 2.4 (VDLinux)		

MODEL		OM46F-W	OM55F-W	OM46F-K	OM55F-K
Certification	Safety	CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PS-B+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS (India) : IEC60950-1 / IS13252 NOM (Mexico) : NOM-019-SCFI-1998 KC (Korea) : K 60950-1 EAC (Russia) : EAC+IEC60950-1 INMETRO (Brazil) : INMETRO+IEC60950-1 BSMI (Taiwan) : BSMI+IEC60950-1 RCM (Australia) : IEC60950-1/AS/NZS 60950-1 UL (USA) : cUL60950-1 CSA (Canada) : cUL TUV (Germany) : CE NEMKO (Norway) : CE	CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PS-B+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS (India) : IEC60950-1 / IS13252 NOM (Mexico) : NOM-019-SCFI-1998 KC (Korea) : K 60950-1 EAC (Russia) : EAC+IEC60950-1 INMETRO (Brazil) : INMETRO+IEC60950-1 BSMI (Taiwan) : BSMI+IEC60950-1 RCM (Australia) : IEC60950-1/AS/NZS 60950-1 UL (USA) : cUL60950-1 CSA (Canada) : cUL TUV (Germany) : CE NEMKO (Norway) : CE	CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PS-B+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS (India) : IEC60950-1 / IS13252 NOM (Mexico) : NOM-019-SCFI-1998 KC (Korea) : K 60950-1 EAC (Russia) : EAC+IEC60950-1 INMETRO (Brazil) : INMETRO+IEC60950-1 BSMI (Taiwan) : BSMI+IEC60950-1 RCM (Australia) : IEC60950-1/AS/NZS 60950-1 UL (USA) : cUL60950-1 CSA (Canada) : cUL TUV (Germany) : CE NEMKO (Norway) : CE	CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PS-B+IEC60950-1 NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BIS (India) : IEC60950-1 / IS13252 NOM (Mexico) : NOM-019-SCFI-1998 KC (Korea) : K 60950-1 EAC (Russia) : EAC+IEC60950-1 INMETRO (Brazil) : INMETRO+IEC60950-1 BSMI (Taiwan) : BSMI+IEC60950-1 RCM (Australia) : IEC60950-1/AS/NZS 60950-1 UL (USA) : cUL60950-1 CSA (Canada) : cUL TUV (Germany) : CE NEMKO (Norway) : CE
	EMC	FCC (USA) Part15, Subpart B Class A CE (Europe) : EN55022:2006+A1:2007 EN55024:1998+A1:2001 +A2:2003 VCCI (Japan) : VCCI V-3 /2010.04 Class A KCC/EK (Korea) : KN22 / 24 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) / CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 CCC (China) : GB9254-2008 GB17625.1-2012 GOST (Russia/CIS) : GOST R 51317 Series, GOST 22505-97 EN55022:2006+A1:2007 EN55024:1998+A1:2001+A2:2003	FCC (USA) Part15, Subpart B Class A CE (Europe) : EN55022:2006+A1:2007 EN55024:1998+A1:2001 +A2:2003 VCCI (Japan) : VCCI V-3 /2010.04 Class A KCC/EK (Korea) : KN22 / 24 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) / CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 CCC (China) : GB9254-2008 GB17625.1-2012 GOST (Russia/CIS) : GOST R 51317 Series, GOST 22505-97 EN55022:2006+A1:2007 EN55024:1998+A1:2001+A2:2003	FCC (USA) Part15, Subpart B Class A CE (Europe) : EN55022:2006+A1:2007 EN55024:1998+A1:2001 +A2:2003 VCCI (Japan) : VCCI V-3 /2010.04 Class A KCC/EK (Korea) : KN22 / 24 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) / CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 CCC (China) : GB9254-2008 GB17625.1-2012 GOST (Russia/CIS) : GOST R 51317 Series, GOST 22505-97 EN55022:2006+A1:2007 EN55024:1998+A1:2001+A2:2003	FCC (USA) Part15, Subpart B Class A CE (Europe) : EN55022:2006+A1:2007 EN55024:1998+A1:2001 +A2:2003 VCCI (Japan) : VCCI V-3 /2010.04 Class A KCC/EK (Korea) : KN22 / 24 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) / CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 CCC (China) : GB9254-2008 GB17625.1-2012 GOST (Russia/CIS) : GOST R 51317 Series, GOST 22505-97 EN55022:2006+A1:2007 EN55024:1998+A1:2001+A2:2003
		Environment	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	External IR Sensor, External Brightness Sensor, Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries	External IR Sensor, External Brightness Sensor, Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries
	Optional	Mount	Bracket-VESA	Bracket-VESA	N/A
		Media Player	N/A	N/A	N/A

## ABOUT SAMSUNG ELECTRONICS CO., LTD.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit Samsung Newsroom at <http://news.samsung.com>

## SMART SIGNAGE

For more information about Samsung SMART Signage Outdoor Displays, visit [www.samsung.com/business](http://www.samsung.com/business) or [www.samsung.com/displaysolutions](http://www.samsung.com/displaysolutions)

Copyright © 2017 Samsung Electronics Co. Ltd. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co. Ltd. Specifications and designs are subject to change without notice. Non-metric weights and measurements are approximate. All data were deemed correct at time of creation. Samsung is not liable for errors or omissions. All brand, product, service names and logos are trademarks and/or registered trademarks of their respective owners and are hereby recognized and acknowledged.

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

2017-03



Scan this code with your smartphone  
to download the Samsung Display Solutions Mobile App.