Samsung SMART Signage

DME Series

Choose the ideal display for ones' business environment with reliable 24/7 operation

Highlights

- **Dependable for continuous commercial operation.** Meet a wide range of business uses with 24 hours/7 days (24/7) advanced, professional-grade display.

- **Adaptable for various business needs.** Enjoy professional-grade displays equipped with standard D Series design in various sizes ranging between 32-inch and 75-inch and optional colour bezels.

- **Rich content delivery through a Quad Core processor.** Easily manage a vast range of dynamic content with various content display features, enhanced 8GB* memory storage and 3rd Generation Samsung SMART Signage Platform (SSSP) featuring a built-in media player and expanded connectivity.

- **Streamline content management.** Gain advanced content manageability through MagicInfo® S3.

- **Easy and efficient display configuration.** Conveniently and economically operate and maintain multiple displays with Daisy Chain configuration, Magic Clone and Auto Source Switching.

* 2.65GB Occupied by Operating System (O/S), 5.35GB Available

Enhance sales and transform business operation with stunning and efficient displays

Today, companies are leveraging on innovative digital displays to communicate with customers and present business information. Digital signage is an effective way for retailers to promote products, unify brand identity and increase traffic. Businesses now commonly use digital signage to dynamically connect with clients, staff and visitors. When seeking digital signage solutions, companies today look for displays which are versatile, cost-efficient, easy to connect, install and control, and reliable throughout the long continuous operation.

Samsung SMART Signage DME Series provides powerful 24/7 performance and high-quality, clear images in a sleek and professional design. Businesses and retail establishments can connect the displays in various configurations with expanded connectivity options. When it comes to installation, usage and maintenance, the displays offer myriad connection options, straightforward control and economical usage. Companies can choose from a range of sizes and customise the displays' appearance with attractive bezel colour options to suit any working or display environment. DME Series 65-inch and 75-inch models, with their powerful performance and features, are well-suited for corporate meeting room usage.

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Rely on brilliant 24/7 operation for a wide range of business environments and purposes

Enrich and support business usage with stunning and dependable 24/7 operation

DME Series displays deliver professional-grade brightness, reliable 24/7 operation and various sizing and appearance options to suit different environments. These attributes make DME Series the smart choice for virtually any business, more specifically Quick Service Restaurants (QSR) and Retail-chain retail establishment. The displays' high 450-nit brightness support crystal clear image quality for promotions and information that captivate viewers. Exceptional durability for extended 24/7 usage ensures that business messages are conveyed with impact even in distant multiple locations.

DME Series displays' wide array of sizing options meet various business needs while enhancing messaging space with a chic and streamlined appearance. For convenient and efficient mechanical compatibility, DME Series displays maintain the same stunning design as previous Samsung SMART Signage D Series. The displays feature slim and elegant black or white hairline deco-bezels* that would fit in better with business settings as opposed to the conventional ones. In addition, the flexible logo tab replaces conventional logos imprinted on the bezels which enables businesses to keep a clean and professional look.

The black and white hairline bezels are offered as optional feature.

Mode	Environment	Usage Scenarios
Retail chain and QSR	24/7 operation of multiple display management	Display promotion and information messages for long operational hours in multiple locations
Shop and Mall	Bright environment with many lights	Present rich colours and detailed textures for product promotions
Office and School	Indoor environment with normal lights	Display sharp text for information announcements and moving videos for brand promotions
Terminal and Station	The brightest environment (outdoor)	Show updated timetable text and video advertisements
Video Wall	Multi-display	Use in various ways within videowall environments

Figure 1. Extensive usage in virtually any business environment

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Immerse audiences in business messaging with high performance and expanded connectivity

Meet growing business demands with powerful performance and flexible connections

3rd Generation Samsung SMART Signage Platform (SSSP)

3rd Generation SSSP enables immersive and effective content delivery from an integrated hardware and software solution, featuring a media player embedded inside DME Series displays as a powerful Quad Core System on Chip (SoC). The platform streamlines digital signage configuration and management by eliminating the need for an additional Personal Computer (PC) unit. In addition, 3rd Generation SSSP features an 8GB* storage capacity for adaptability, convenience, and easy usage. The result is an uncluttered and simplified digital signage configuration that delivers rich, high-resolution media content and enhances operational efficiency.
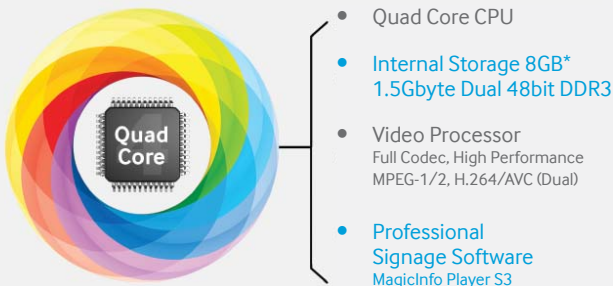
3rd Generation SSSP

- Quad Core CPU
- Internal Storage 8GB*
  1.5Gbyte Dual 48bit DDR3
- Video Processor
  Full Codec, High Performance
  MPEG-1/2, H.264/AVC (Dual)
- Professional
  Signage Software
  MagicInfo Player S3

Mobile Control :
Display H/W control over Wi-Fi®

Built-in Wi-Fi®

Mobile Content Share :
Direct content share over Wi-Fi®

Figure 2. 3rd Generation SSSP robust capabilities

Wide array of connectivity options

DME Series displays deliver a broad range of digital content with different connectivity options. Expanded connectivity is available through two High-Definition Multimedia Interface (HDMI) ports**. Also, the Digital Visual Interface (DVI) port can be utilised as an additional HDMI port with a DVI-to-HDMI adapter.

* 2.65GB Occupied by O/S, 5.35GB Available
** 2 HDMI ports connectivity may vary by screen sizes and geography

Manage a rich array of content conveniently and simply

Streamlined display and content management

DME Series 3rd Generation SSSP helps businesses with professionally polished content created through an embedded content management solution, MagicInfo S3. Along with widgets and stickers, the solution provides six types of free fonts in 23 styles. New MagicInfo S3 eliminates single-font formatting limitations with the upgraded ability to select from various free fonts or add user-selected fonts. For convenient and straightforward content changes, users can deliver messages in a stamp format, along with preset or user-generated, text-editable stickers to update promotional information and price tags. Content can be enriched through eye-catching transitions with Dynamic Effect, a feature that enables slideshow-type effects, such as fade, fly-on and zoom. A drag-and-drop widget solution can be used to simply add widgets such as AccuWeather®, which displays a 1-day and 1-week weather for the ultimate professional content presentation.

Easy, economical startup and operation

A newly designed Home Menu User Interface (UI) displays frequently used functions in a new, large-button matrix design for heightened efficiency and productivity. Users can generate content more conveniently and easily than ever with the Home Menu's newly designed templates for various vertical markets including grocery stores, QSRs, terminals and lobbies. Businesses can leverage on these sharp, professional template layouts to produce and design content in either portrait or landscape orientation. Also, the Home Menu can transform into a touch-activated user experience with the addition of an optional Touch Overlay.

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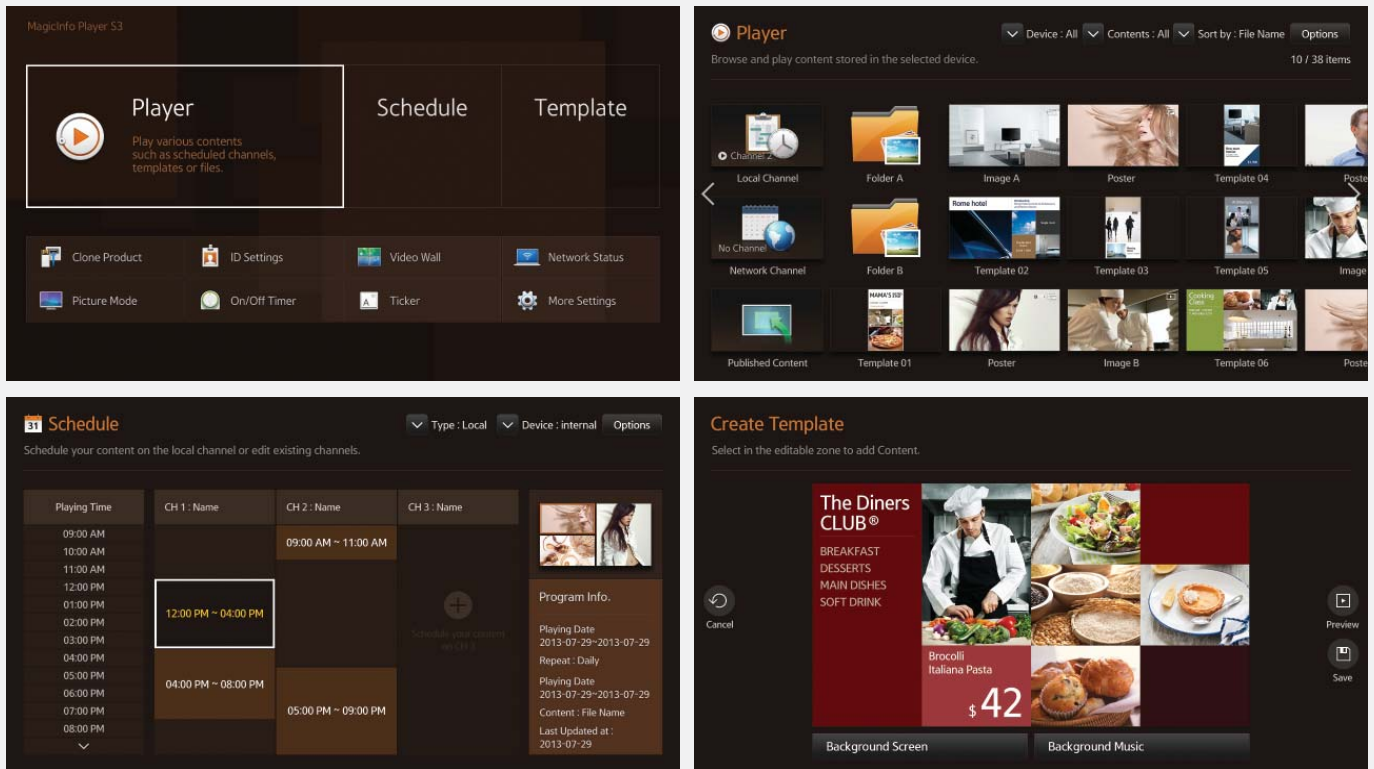# Continuously captivate audiences while streamlining management

Figure 3. Various functionalities of MagicInfo S3

Artistic Daisy Chain for multiple displays

Businesses can easily enthrall audiences with unique, eye-catching content displayed simultaneously on multiple screens using Daisy Chain configuration capabilities. Up to 100 displays can be conveniently connected through Display Port (DP) Loop Out to present identical content and engage a large number of viewers.

Magic Clone for simple installation

The installation of multiple displays is greatly simplified with time-saving Magic Clone, which allows users to save setting information (such as brightness, contrast and so on) from one display and then replicate it to other displays through a Universal Serial Bus (USB) device.

Auto Source Switching

By automatically switching to alternate active sources when a current active source goes offline, Auto Source Switching keeps the displays functioning continuously, even when issues arise.

Energy-efficient usage

Easy display operation through remote or USB devices, or through Wi-Fi, along with simplified maintenance and power-saving features help to conserve resources. The displays can be conveniently and readily controlled from a Note PC, tablet or smartphone* application** with a Wi-Fi connection. SoC players can be controlled in real-time through a network for efficient mobile management. Its reduced power consumption, minimal heat emission compared to the previous DMD Series, and an energy-efficient design make these displays cost-efficient for business use.

* Compatible with
- Mobile devices with Android™ (4.4.2 or above)
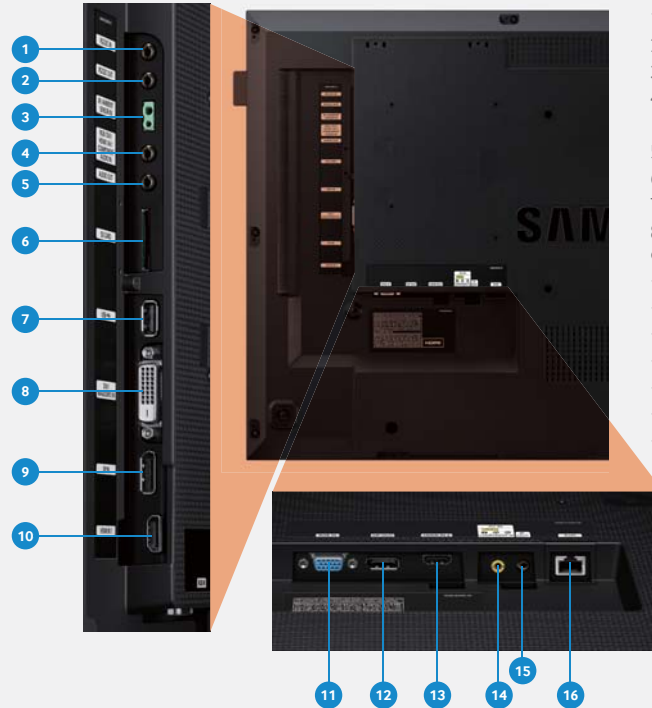*- Mobile devices with iOS® (8.0 or above)*

** MagicInfo Express Content Creator 2.0
- Downloadable in Google Play™ store and Apple App Store^SM

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32"/40"/48"/55"/65"/75"

Connectors

1. RS232C IN
2. RS232C OUT
3. IR/AMBIENT SENSOR IN
4. RGB/DVI/HDMI/AV/
    COMPONENT/AUDIO IN
5. AUDIO OUT
6. SD CARD
7. USB
8. DVI/MAGICINFO IN
9. DP IN
10. HDMI IN 1
11. RGB IN
12. DP OUT
13. HDMI IN 2
14. AV IN
15. IR OUT
16. RJ45

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Samsung SMART Signage DME Series

Specifications

		DM32E	DM40E	DM48E	DM55E	DM65E	DM75E
Panel	Diagonal Size	32"	40"	48"	55"	65"	75"
	Type		60Hz D-LED BLU				
	Resolution	1,920 x 1,080					
	Pixel Pitch (mm/in.)	0.12 x 0.36 (0.004 x 0.014)	0.15 x 0.46 (0.006 x 0.018)	0.18 x 0.54 (0.007 x 0.021)	0.21 x 0.63 (0.008 x 0.024)	0.74 x 0.74 (0.029 x 0.029)	0.28 x 0.85 (0.01 x 0.03)
	Active Display Area (mm/in.)	698.4 x 392.8 (27.4 x 15.4)	885.6 x 498.1 (34.8 x 19.6)	1,054.0 x 592.9 (41.4 x 23.3)	1,209.6 x 680.4 (47.6 x 26.7)	1,428 x 804.5 (56.2 x 31.6)	1,650.2 x 928.0 (64.9 x 36.5)
	Brightness	400-nit	450-nit				
	Contrast Ratio (Typ.)	5,000:1				4,000:1	5,000:1
	Viewing Angle (H/V)	178/178					
	Response Time (G-to-G)	8ms			6ms	6.5ms	4ms
	Display Colours	10bit Dithering - 1.07Billion					
	Colour Gamut	72%					
Display	Dynamic C/R	50,000:1					
	H-Scanning Frequency	30 ~ 81kHz					
	V-Scanning Frequency	48 ~ 75Hz					
	Maximum Pixel Frequency	148.5MHz					
Sound	Speaker Type	Built in Speaker (10W x 1)	Built in Speaker (10W + 10W)				
Connectivity	Input — RGB	Analog D-SUB, DVI-D (HDMI Common)	Analog D-SUB, DVI-D (HDMI® Common), DisplayPort® 1.2				
	Input — Video	HDMI1 Component (CVBS Common)	HDMI1, HDMI2 (except KR, NA) Component (CVBS Common)				
	Input — Audio	Stereo mini Jack					
	Input — USB	USB 2.0 x 1					
	Output — RGB	N/A	DP1.2 (Loop-out)				
	Output — Video	N/A					
	Output — Audio	Stereo mini Jack					
	Output — Power Out	N/A					
	External Control	RS232C (in/out) thru Stereo Jack, RJ45					
	External Sensor	IR, Ambient Light					
Power	Type	Internal					
	Power Supply	AC 100 - 240V~ (+/- 10%), 50/60Hz					
	Power Consumption — Max (W/h)	77	121	132	176	TBD	
	Power Consumption — Typical (W/h)	W/W: 55, US: 30, KOR: 57	W/W: 81, US: 44, KOR: 85	W/W: 94, US: 50, KOR: 96	W/W: 130, US: 65, KOR: 129	TBD	
	Power Consumption — BTU (Max)	262.57	412.61	450.12	600.16	TBD	
	Power Consumption — Sleep mode	Less than 0.5W					
	Power Consumption — Off mode	Less than 0.5W					
Mechanical Spec	Dimension (mm/in.) — Set	721.4 x 420.3 x 49.9 (28.3 x 16.5 x 1.9)	906.6 x 524.7 x 49.9 (35.6 x 20.6 x 1.9)	1,075.1 x 619.4 x 49.9 (42.3 x 24.3 x 1.9)	1,230.6 x 706.9 x 49.9 (48.4 x 27.7 x 1.9)	1,467.4 x 848.0 x 55.9 (57.7 x 33.3 x 2.2)	1,676.2 x 959.5 x 57.7 (65.9 x 37.7 x 2.2)
	Dimension (mm/in.) — Package	815 x 491 x 132 (32.0 x 19.3 x 5.1)	1,012 x 605 x 138 (39.8 x 23.8 x 5.4)	1,185 x 715 x 148 (46.6 x 28.1 x 5.8)	1,348 x 810 x 148 (53.0 x 31.8 x 5.8)	1,600 x 980 x 287 (62.9 x 38.5 x 11.3)	1,810 x 1,085 x 250 (71.2 x 42.7 x 9.8)
	Weight (kg/lbs) — Set	4.8 (10.6)	7.5 (16.5)	11.1 (24.4)	15.4 (33.9)	27.4 (60.4)	34.1 (75.1)
	Weight (kg/lbs) — Package	5.9 (13)	9.1 (20)	14 (30)	19.5 (42)	35.4 (78)	44.1 (97.2)
	VESA Mount (mm)	200 x 200		400 x 400			
	Protection Glass	N/A					
	Stand Type	Foot Stand (Optional)					
	Media Player Option Type	Embedded, SBB (Not Attachable)	Embedded, SBB (Attachable)			Embedded, SBB (Attachable), PIM (Attachable)	
	Bezel Width (mm/in.) Top/Side	10.5 (0.4)	9.5 (0.3)			18 (0.7)	12 (0.4)
	Bezel Width (mm/in.) Bottom	15 (0.5)	15 (0.5)			23.5 (0.9)	17.3 (0.6)

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Samsung SMART Signage DME Series

Specifications

			DM32E	DM40E	DM48E	DM55E	DM65E	DM75E
Operation	Operating Temperature		0°C ~ 40°C					
	Humidity		10 ~ 80%					
Feature	Key		Slim & Light SMART Signage with Built-in MagicInfo Player S3					
	Special	H/W	Super Clear Coating, Temperature Sensor, Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (10W x 1), Wi-Fi Module Embedded, SD Card Slot, Tuner (only for NA, KR)		Super Clear Coating, Temperature Sensor, Video Wall (15x15), Pivot Display, Clock Battery (168hrs Clock Keeping), Built in Speaker (10W x 2), Wi-Fi Module Embedded, SD Card Slot, Tuner (only for NA, KR)			
		S/W	Magic Clone (to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug & Play, PIP/PBP, Image Rotation, Button Lock, Built In MagicInfo Player S3, Firmware Update by Network, SMART Signage New Home Screen, Predefined Template for Vertical Usage, Multi Channel, Mobile Control, Event Schedule, Backup Player, PC-less Touch, MagicPresenter		Magic Clone (to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug & Play, PIP/PBP, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain (HDCP Support), Built In MagicInfo Player S3, Firmware Update by Network, SMART Signage New Home Screen, PC-less Video Wall, Predefined Template for Vertical Usage, Multi Channel, Mobile Control, Event Schedule, Backup Player, PC-less Touch, MagicPresenter			
	Internal Player (Embedded H/W)	Processor	Cortex®-A9 1GHz Quad Core CPU					
		On-Chip Cache Memory	L1 (I/D) : 32KB/32KB L2 (Unified) : 1MB					
		Clock Speed	1GHz CPU Quad					
		Main Memory Interface	1.5GB Dual 48bit DDR3-933 (1,866MHz)					
		Graphics	2D & 3D Graphics Engine - Up to 1,920 x 1,080 32bpp - Supports OpenGL ES®					
		Storage	8GB (2.65GB Occupied by O/S, 5.35GB Available)					
		Multimedia	Video Decoder - MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG, VP8 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.					
		IO Ports	USB 2.0					
		O/S	Linux®					

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Samsung SMART Signage DME Series

Specifications

		DM32E	DM40E	DM48E	DM55E	DM65E	DM75E
Certification	Safety	CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+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) Tuner : NOM-001-SCFI-1993, Tunerless : 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 CSA (Canada) : cUL UL (USA) : cUL60950-1 TUV (Germany) : CE NEMKO (Norway) : CE	CB (Europe) : IEC60950-1/EN60950-1 UL (USA) : cUL60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 NOM (Mexico) Tuner : NOM-001-SCFI-1993, Tunerless : NOM-019-SCFI-1998 KC (Korea) : K 60950-1 IRAM (Argentina) : IRAM+IEC60950-1 EAC (Russia) : EAC+IEC60950-1 INMETRO (Brazil) : INMETRO+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BSMI (Taiwan) : BSMI+IEC60950-1 CSA (Canada) : cUL RCM (Australia) : IEC60950-1/AS/NZS 60950-1 BIS (India) : IEC60950-1/IS13252 TUV (Germany) : CE NEMKO (Norway) : CE			CB (Europe) : IEC60950-1/EN60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+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) : Tuner : NOM-001-SCFI-1993, Tunerless : NOM-019-CFI-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 CSA (Canada) : cUL UL (USA) : cUL60950-1 TUV (Germany) : CE NEMKO (Norway) : CE	
	EMC	FCC (USA) Part 15, Subpart B Class A KCC/EK (Korea) : Tuner : KN13/KN20, Tunerless : KN22/KN24 CE (Europe) : EN55022 : 2006+A1 : 2007/EN55024 : 1998+A1 : 2001+A2 : 2003 VCCI (Japan) : VCCI V-3/2010.04 Class A CCC (China) : GB9254-2008/GB17625.1-2012 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A/CNS13439 (AV EMI)/CNS14409 (AV EMS)/CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22 : 2009 GOST (Russia/CIS) : GOST R 51317 Series, GOST 22505-97, EN55022 : 2006+A1 : 2007, EN55024 : 1998+A1 : 2001+A2 : 2003					
	Environment	ENERGY STAR® 6.0 (USA)				TBD	
Accessories	Included	Quick Setup Guide, Regulatory Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries, RS232C (IN) adapter, Cover-Jack, Screw (M3L8, 1EA) (M4L8, 4EA)				Quick Setup Guide, Regulatory Guide, Warranty Card, D-Sub cable, Power Cord, Remote Controller, Batteries, RS232C (IN) adapter, Cover-Jack	
	Optional — Stand	STN-L3240E		STN-L4655EE		STN-L6500E	STN-L7585F (New Stand)
	Optional — Mount	WMN4070SD, WMN450MD, WMN250MD		WMN4270SD, WMN450MD, WMN250MD, WMN4675MD		WMN4675MD, WMN4277SD, WMN6575SD	
	Optional — Specialty	CML400D (Ceiling Mount)		CML450D (Ceiling Mount)			
Media Player	CPU	SBB (Optional)				SBB (Optional), PIM (Optional)	
	N/B						
	S/B						
	GPU						
	FDM/HDD						
	Memory						
	Ethernet						
	Connectivity — USB						
	Connectivity — Output						
	Connectivity — Others						

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Legal and additional information

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies, redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, printers, medical equipment, network systems, semiconductor and LED solutions. We are also leading in the Internet of Things space through, among others, our Smart Home and Digital Health initiatives. We employ 307,000 people across 84 countries.

For more information

For more information about Samsung SMART Signage DME Series, visit www.samsung.com/sg/business

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