Samsung SMART Signage

DBE Series

Deliver engaging messaging with versatile professional digital signage for your growing business



Highlights

- **Flexible and professional business messaging solution.** Leverage on a professional-grade, cost-effective display solution for a wide range of business uses.
- **High performance and capacity for expanding business needs.** Experience robust performance to meet growing business demands with an advanced Quad Core processor and enhanced 8GB* memory storage.
- **Streamlined display configuration.** Achieve a clutter-free Large Format Display (LFD) configuration using wireless content management and display control with embedded Wi-Fi®.
- **Maximise ambience in contrast with the previous DBD Series.** Optimise display investment while maintaining an elevated decor by acquiring an economical display with the same design as a high-performance model.

Support your growing business with appealing, flexible and professional digital signage

Today's retail stores and corporations 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 as a replacement for cumbersome conventional projectors to dynamically connect with clients, staff and visitors. When seeking digital signage solutions, today's companies look for displays that are versatile and cost-efficient, as well as easy to connect, install and control.



Figure 1. Samsung SMART Signage DBE Series elevates store decor while delivering messages effectively

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

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Easily deliver business messaging with engaging, dependable and cost-friendly displays

Capitalise on state-of-the-art displays to optimally deliver business messaging

Samsung SMART Signage DBE Series provides high performance and cost-efficiency in a sleek and professional design. The displays' 350-nit brightness, reliable 16 hours/7 days operation and Full-High Definition (FHD) enable businesses to attract and engage audiences. A powerful Quad Core processor and advanced, 3rd Generation Samsung SMART Signage Platform (SSSP) for embedded content management along with expanded 8GB* storage capacity ensures robust business performance. DBE Series displays are easy to operate, install and maintain while consuming less power for economical use compared to the previous DBD Series. A wide range of sizes, and optional touch capability provides businesses with the flexibility to create and deliver a truly unique message on small signage.



Figure 2. DBE Series enables instant message update and delivery

Also, businesses can simplify content control and enhance efficiency by using the embedded Wi-Fi. Wireless connections can be used through an application** from a mobile device*** to easily create content using templates, upload and play material, edit content, and readily use playlist navigation to select and start playing content.

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

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

Whether the business is a retail shop or restaurant that requires rich, detailed images to promote products, or a clinic or transportation office with signage linked to the corporate network, DBE Series displays can clearly and economically display the optimal business message.

Employ a professional-grade solution to convey business messaging

DBE Series display deliver industry-leading performance and proven Samsung technology. Featuring 350-nit brightness, and stunning picture quality with FHD resolution, these advanced displays that have been updated from the previous DBD Series, enthrall and engage viewers while offering reliable 16 hours/7 days operation. Additional features such as enhancers for colour, contrast and detail as well as colour temperature control ensure optimised picture quality in various conditions enabling businesses to provide ideal messaging for maximum impact. Plus, the DBE Series energy-efficient design and power-saving features enable display operation with minimal power consumption and reduced heat emission compared to the previous DBD Series, so the displays are more energy-efficient for business use.

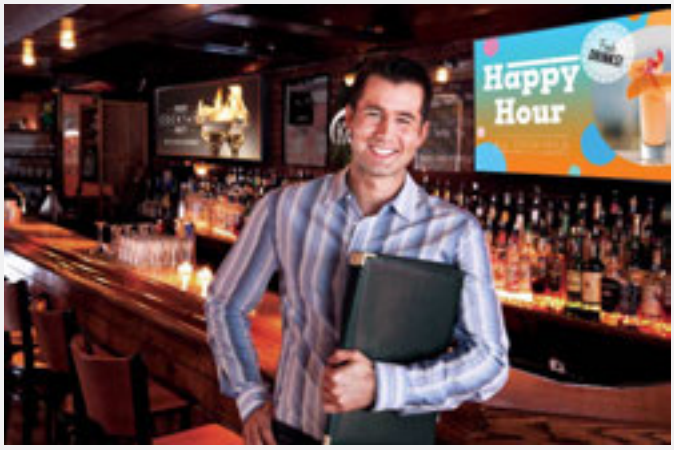


Figure 3. DBE Series engages viewers with stunning picture quality

Experience easy and convenient content management and expanded usage options

Meet growing business demands with powerful performance and flexibility

DBE Series displays deliver myriad rich content with a built-in media player and simplified management.

3rd Generation Samsung SMART Signage Platform (SSSP)

3rd Generation SSSP, an integrated hardware and software solution, features a media player embedded inside the display as a powerful Quad Core System on Chip (SoC). The powerful platform streamlines digital signage configuration and management by eliminating the need for an additional Personal Computer (PC) Unit. In addition, 3rd Generation SSSP features 8GB* storage for flexibility and convenient, easy usage. The result is an uncluttered and simplified digital signage configuration that delivers rich, high-resolution media content smoothly, as well as enhanced operational efficiency.

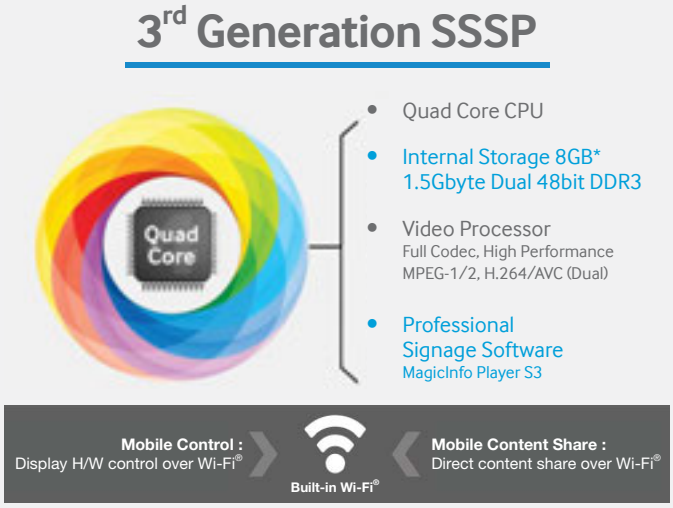


Figure 4. Robust capabilities of SSSP

** 2.65GB Occupied by O/S, 5.35GB Available*

Extended connectivity options and support

DBE Series features built-in Wi-Fi connectivity for easy syncing and convenient content management. Along with full connectivity support, content presentation options can be further expanded to two High-Definition Multimedia Interface (HDMI) ports through the Digital Visual Interface (DVI) port with a DVI-to-HDMI adapter.

Manage a rich array of content conveniently and simply

Streamlined display and content management

DBE Series 3rd Generation SSSP helps businesses boost revenues 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 apply handy stamps, 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. Plus, a drag-and-drop widget solution can be used to simply add widgets such as AccuWeather®, which displays one-day and one-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 easily and conveniently than ever with the Home Menu's newly designed templates for various vertical markets including grocery stores, Quick Service Restaurants (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.

Experience easy and convenient content management and expanded usage options

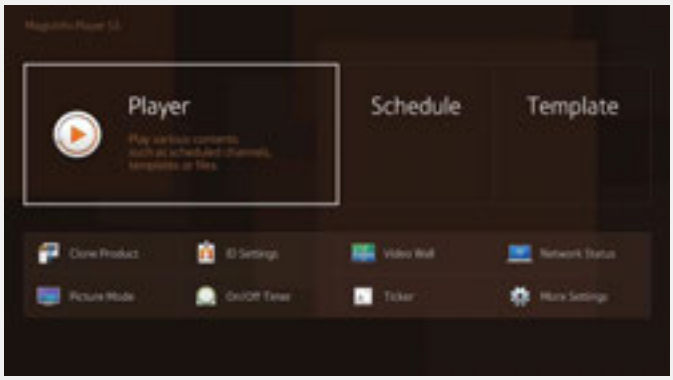


Figure 5. Simple and intuitive operation of MagicInfo S3

Convenient Magic Clone

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 replicate it to other displays with a USB device. Magic Clone also provides uniformity among the displays for a more polished, professional appearance.

Engage viewers with an elegant design that is optimised for the environment

SMART Signage DBE Series enhance the display environment through their sleek, streamlined design, reflective of previous Samsung SMART Signage D Series for efficient compatibility. These stunning displays feature optional black hairline or white color slim deco-bezels* to compliment the specific room decor. 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.*



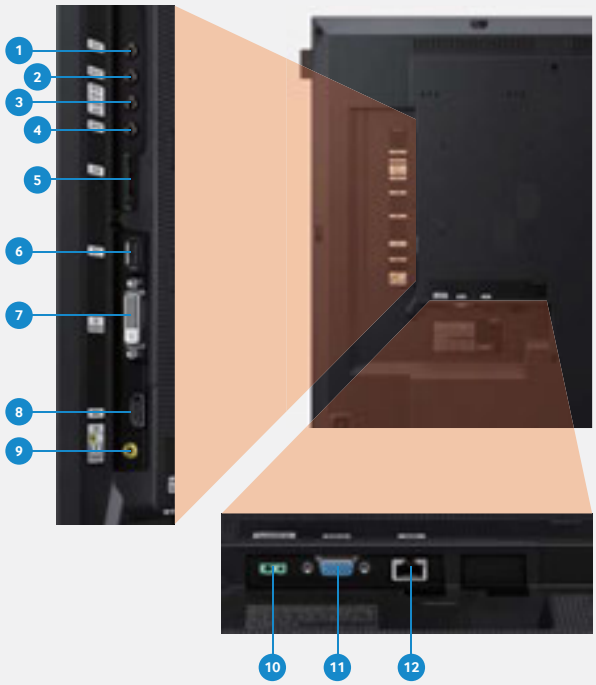
Figure 6. Various bezel options for polished and professional look

DBE

32"/ 40"/ 48"/ 55"



Connectors (Global)



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

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Samsung SMART Signage DBE Series

Specifications

			DB32E	DB40E	DB48E	DB55E
Panel	Diagonal Size		32"	40"	48"	55"
	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)
	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 x 592 (41 x 23)	1,209.6 x 680.4 (47.6 x 26.7)
	Brightness		350-nit			
	Contrast Ratio (Typ.)		5000:1			
	Viewing Angle (H/V)		178/178			
	Response Time (G-to-G)		8ms			6ms
	Display Colours		16.7M			
	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)			
		Video	HDMI1 Component (CVBS Common)			
		Audio	Stereo mini Jack			
		USB	USB 2.0 x 1			
	Output	RGB	N/A			
		Video	N/A			
		Audio	Stereo mini Jack			
		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 - 240 V~ (+/- 10 %), 50/60 Hz			
	Power Consumption	Max (W/h)	77	121	132	176
		Typical (W/h)	W/W: 54, US: 30, KOR: 57	W/W: 76, US: 40, KOR: 91	W/W: 86, US: 44, KOR: 90	W/W: 123, US: 60, KOR: 123
		BTU (Max)	262.57	412.61	450.12	600.16
		Sleep mode	Less than 0.5W			
		Off mode	Less than 0.5W			
Mechanical Spec	Dimension (mm/in.)	Set	721.4 x 420.3 x 49.9 (28.4 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 27.8 x 1.9)
		Package	815 x 491 x 132 (32 x 19 x 5)	1,012 x 138 x 605 (39.8 x 5.4 x 23.8)	1,185 x 715 x 148 (46.6 x 28.1 x 5.8)	1,348 x 810 x 148 (53 x 31 x 5)
	Weight (kg/lbs)	Set	4.8 (10.5)	7.5 (16.5)	11.1 (24.4)	15.4 (33.9)
		Package	5.9 (13)	9.1 (20)	14 (30.8)	19.5 (42.9)
	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)		
	Bezel Width (mm/in.) Top/Side		10.5 (0.4)	9.5 (0.3)		
	Bezel Width (mm/in.) Bottom		15 (0.5)	15 (0.5)		
Operation	Operating Temperature		0°C ~ 40°C			
	Humidity		10 ~ 80%			

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Specifications

			DB32E	DB40E	DB48E	DB55E
Feature	Key		Slim & Light SMART Signage with Built-in MagicInfo Player S3			
	Special	H/W	Super Clear Coating, Temperature Sensor, Pivot Display, Button Lock, Clock Battery (168hrs Clock Keeping), Wi-Fi Module Embedded, SD Card Slot			
		S/W	Magic Clone (to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug & Play (DDC2B), PIP/PBP, Image Rotation, 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			
	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 48bit DDR3-933 (1,866MHz)			
		Graphics	2D & 3D Graphics Engine - Up to 1,920 x 1,080 32bpp - Supports OpenGL ES®			
		Storage (FDM)	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®			
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 UL (USA) : cUL60950-1 CSA (Canada) : cUL TUV (Germany) : CE NEMKO (Norway) : CE			
	EMC		FCC (USA) Part 15, 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) : Tuner : KN13/KN20, Tunerless : KN22/KN24 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		ENERGY STAR® 6.0 (USA)			

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Specifications

			DB32E	DB40E	DB48E	DB55E
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)			
	Optional	Stand	STN-L3240E		STN-L-4655E	
		Mount	WMN4070SD, WMN450MD, WMN250MD		WMN4270SD, WMN450MD, WMN250MD, WMN4675MD	
		Specialty	CML400D (Ceiling Mount)		CML450D (Ceiling Mount)	
Media Player	CPU		SBB (Optional)			
	N/B					
	S/B					
	GPU					
	FDM/HDD					
	Memory					
	Ethernet					
	Connectivity	USB				
		Output				
		Others				

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Legal and additional information

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For more information

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

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