

# Samsung ME Series LED large format displays

Technology and performance in an eco-friendly design



## The ME Series helps companies lower digital signage costs in an eco-friendly way.

---

### Reduce costs, conserve energy and install digital signage easily with the slim Samsung ME Series LFDs

Offering advanced LED technology features and eco-friendly design and construction, the Samsung ME Series (models ME32B, ME40B, ME46B and ME55B) LED large format displays (LFDs) are ideal for commercial, public, corporate and information digital signage solutions that require crisp images with accurate color representation.



Figure 1. Samsung ME Series LFDs are ideal digital signage solutions for a variety of venues.

The ME Series features edge LED technology. With this technology, LED lamps around the edge of the panel emit light on the sides of the panel, which produces a much thinner screen that requires fewer lamps. LED technology is also mercury free and produces less heat than traditional LCD technology, resulting in lower energy usage and a cleaner environment. LED-based displays can operate continuously without overheating. In addition, Samsung LED technology can illuminate specific areas of the screen where needed for cleaner, brighter, higher contrast images.

The Samsung Ultra Clear panel feature offers self-adjusting screen brightness and anti-glare technology that provide an easily readable display, regardless of the setting.

The slim, lightweight panel installs easily and requires less space, making space management more efficient.

Convenient features that enhance the user experience include:

- **An embedded media player.** Automatically play content with a built-in media player that supports Universal Serial Bus (USB) 2.0 and thumb drive “plug and play.”
- **MagicInfo™ Lite software.** Embedded Samsung signage software supports a variety of media types.

With AllShare software, users in a Wi-Fi environment can share content among other Samsung digital products, including desktop PCs, mobile phones and cameras.

The ME Series offers advanced connectivity interfaces that provide extended compatibility from analog to digital sources. Using Ethernet and RS-232C connection capabilities, administrators can remotely control content from a single location. A hidden remote control receiver offers users ease of operation.

## The ME Series offers low heat emission and reduced power consumption.

### Improve the quality and efficiency of digital signage with LED technology

Samsung LED technology can illuminate specific areas of the screen where needed for cleaner, brighter, higher contrast images. LED technology is mercury free and produces less heat than traditional LCD technology, resulting in lower energy usage and a cleaner environment. Also, LED-based displays can operate continuously without overheating.

### Install digital displays easily with slim, lightweight panels

Typical LFD displays are installed in walls or hung from ceilings. This type of installation increases the total cost of ownership (TCO) through additional equipment, setup, construction and space requirements. Because the media player and software that are needed to run Samsung LFDs are embedded into the panels, the surrounding area remains uncluttered and free of external PCs and cables.

When compared with conventional LFD products, the ME Series is slimmer, with a depth of only 29.9 mm (1.18 in.). Because the narrow side bezels measure at only 15.1 mm (0.59 in.), companies can create sleek, seamless video walls with more visual space dedicated to the content, and not the equipment. In addition, the lightweight panel is easy to install and requires less space, making it suitable for most locations.



Figure 2. Slim panel depth and narrow side bezels create sleek, seamless video walls.

### Conserve energy through reduced power consumption

Because LED technology requires less power than traditional cold cathode fluorescent lamps (CCFL), companies can reduce energy consumption, thereby reducing TCO. The ME Series is designed to run up to 16 hours a day; so depending on usage, reduction in energy consumption can be significant.

In addition, the ME Series emits less heat from the panel, which means reduced cooling requirements and a more comfortable business environment.



Figure 3. The Samsung ME Series consumes less energy than traditional CCFL panels.

Mercury-free, lead-free LED technology is also less harmful to the environment, as is the spray-free injection molding technology that Samsung uses to produce flat panel displays. The injection molding manufacturing process is part of Samsung's Green Management system, in which the company commits to making efforts to improve how it "manages environmental, safety and health impacts occurring in production and service." In addition, the ME Series provides solutions that help companies meet environmental regulations.

The Samsung ME Series includes all of the components required to run digital signage in one piece of lightweight equipment, reducing the need for separate PCs and software.

## The ME Series provides built-in components for a clutter-free display area.

---

### Reduce display costs with built-in software and components

The ME Series provides an ideal solution for companies that want to reduce the display environment TCO.

Typical LFD operation requires a display panel (screen), a playing device (PC), and software to play the content. However, the ME Series includes all three of these components, reducing the need for separate PCs and software. Fewer pieces of equipment translate into reduced overall costs to acquire, run and maintain the display.

Samsung includes the following components and software in the ME Series:

- **USB 2.0 thumb drive plug-and-play feature.** Users can play content automatically using the thumb drive memory.
- **Media player embedded into the microchip.** After content is loaded from a USB 2.0 thumb drive, the built-in media player provides 2.8 GB of internal memory for automatic content playing. If needed, external media player capabilities are also available through an optional setback box (SBB-A).
- **MagicInfo™ Lite signage software.** With the built-in signage software, users can choose to automatically play content directly from a USB 2.0 thumb drive or from the embedded media player. Supported files include 1080p video files, Adobe® Flash® (10.1) files, JPEG images and Microsoft® PowerPoint® (2007) files. Using the Schedule Manager feature, users can run content at designated times in a matter of minutes.
- **AllShare software.** With this software, users in a Wi-Fi environment can share content easily among Samsung desktop PCs, mobile phones and cameras.

### Attract more attention with clear, vivid images

Conventional LFD panels have an uneven surface that forces “light scatter” and distorts images.

The Samsung Ultra Clear Panel feature on the ME Series not only reduces light scatter, but also absorbs external light and eliminates reflection. As a result of this technology, images are clearer and brighter, which enhances content visibility.

The ME Series also provides an improved contrast ratio that adds depth and creates more natural-looking colors, resulting in more detailed and realistic digital signage displays.

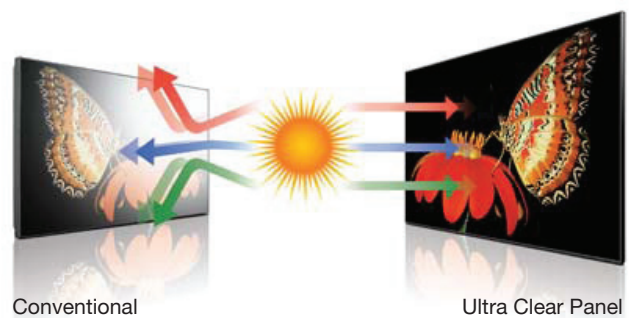


Figure 4. The Samsung Ultra Clear Panel feature provides clear, bright images.

## The ME Series eliminates reflection and improves content visibility.

### Samsung ME Series features and benefits

Feature	Benefit
Edge LED technology	<ul style="list-style-type: none"><li>• Images are cleaner, brighter and of higher contrast.</li><li>• A slim, lightweight design requires less space and makes installation easy.</li></ul>
Reduced power consumption requirements	TCO is reduced.
Less heat emitted from panel	The environment stays cooler without increasing power consumption.
Embedded media player	Playing and updating content is simple and fast.
Samsung MagicInfo™ Lite software	<ul style="list-style-type: none"><li>• Content can play automatically in USB 2.0 memory or internal memory.</li><li>• Scheduling and managing content is fast and easy.</li></ul>
A range of connectivity options	Users have more choices for connectivity, from analog to digital sources.
Ethernet and RS-232C remote control	Remote control capability through Ethernet and RS-232C connections provides ease of use.
Auto infrared and brightness sensor	Ambient light intensity is automatically detected and screen brightness is adjusted accordingly.
Hidden remote controller receiver	The display can be controlled remotely for greater convenience.

## The ME Series is easy to install and requires minimal space.

---

Ideal for commercial, public, corporate and information digital signage solutions, the Samsung ME Series models ME32B, ME40B, ME46B and ME55B offer advanced technology features and eco-friendly design and construction. With the Samsung ME Series, businesses can:

- Reduce display costs with built-in MagicInfo™ Lite software and embedded media player
- Conserve energy through reduced power consumption and cooling requirements
- Install digital signage displays easily and less expensively with slim, lightweight panels

# Samsung ME Series ME32B, ME40B, ME46B and ME55B

## Specifications

Model		ME32B	ME40B	ME46B	ME55B
Panel	Diagonal (screen) size	800 mm (32 in.)	1,016 mm (40 in.)	1,168 mm (46 in.)	1,397 mm (55 in.)
	Type	60 Hz LED BLU	60 Hz LED BLU	60 Hz LED BLU	120 Hz LED BLU
	Resolution	1,920 x 1,080			
	Aspect ratio	16:9			
	Active display area	698.40 mm x 392.85 mm (27.5 in. x 15.5 in.)	885.60 mm x 498.15 mm (34.9 in. x 19.6 in.)	1,018.08 mm x 572.67 mm (40.1 in. x 22.5 in.)	1,209.60 mm x 680.40 mm (47.6 in. x 26.8 in.)
	Brightness	350 nit	350 nit	350 nit	380 nit
	Contrast ratio	5000:1			
	Viewing angle	178° / 178° (horizontal / vertical)			
	Response time (G-to-G)	8 ms			
Connectivity	Input	VGA (D-sub 15 pin), DVI-D, HDMI, DisplayPort, component/composite, USB, stereo mini jack, TV in			
	Output	DVI-D (digital loop out), stereo mini jack			
	External control	RS232C (in / out) through stereo jack, RJ45			
	Sensor	Stereo mini jack (IR in / out), mini USB (external brightness / IR sensor)			
Power	Power supply	AC 100 - 240 V (+/- 10 percent), 50/60 Hz			
	Power consumption	64 W / 71 W (typical / maximum) Less than 1 W (standby mode)	86 W / 102 W (typical / maximum) Less than 1 W (standby mode)	92 W / 110 W (typical / maximum) Less than 1 W (standby mode)	117 W / 143 W (typical / maximum) Less than 1 W (standby mode)
Features	Special	Built-in TV tuner, built-in speaker (10 W + 10 W), simple plug-and-play media player (through USB), built-in MagicInfo™ Lite signage software, narrow bezel, slim chassis depth 29.9 mm (1.18 in.)			
	Built-in tuner	Yes			
	VESA standard wall-mount interface	200 mm x 200 mm (7.9 in. x 7.9 in.)	200 mm x 200 mm (7.9 in. x 7.9 in.)	400 mm x 400 mm (15.7 in. x 15.7 in.)	400 mm x 400 mm (15.7 in. x 15.7 in.)
	Multimedia speakers	Built-in speaker (10 W + 10 W)			
	Plug and play	Simple plug-and-play media player (through USB) with built-in MagicInfo™ Lite signage software			
Dimensions	Without stand (W x H x D)	733.7 mm x 430.2 mm x 29.9 mm (28.9 in. x 16.9 in. x 1.18 in.)	921.2 mm x 536.1 mm x 29.9 mm (36.3 in. x 21.1 in. x 1.18 in.)	1,056.3 mm x 612.3 mm x 29.9 mm (41.6 in. x 24.1 in. x 1.18 in.)	1,246.4 mm x 718.2 mm x 29.9 mm (49.1 in. x 28.3 in. x 1.18 in.)
	Packaging (W x H x D)	811 mm x 525 mm x 120 mm (31.9 in. x 20.7 in. x 4.7 in.)	1,036 mm x 633 mm x 150 mm (40.8 in. x 24.9 in. x 5.9 in.)	1,170 mm x 730 mm x 199 mm (46.1 in. x 28.7 in. x 7.8 in.)	1,364 mm x 848 mm x 199 mm (53.7 in. x 33.4 in. x 7.8 in.)
	Bezel width	15.1 mm (0.59 in.) Bottom 16.6 mm (0.65 in.)			
Weight	Set	6.5 kg (14.3 lb)	10.5 kg (23.1 lb)	12.5 kg (27.5 lb)	17.1 kg (37.6 lb)
	Package	7.6 kg (16.7 lb)	12.9 kg (28.4 lb)	16.6 kg (36.5 lb)	22.2 kg (48.8 lb)
Accessories	Included	Quick Setup Guide, warranty card, application CD, D-sub cable, power cord, remote controller, batteries			
	Wall mount (optional)	WMN4070SD WMN250MD	WMN4070SD tWMN250MD	WMN4270SD WMN250MD	WMN4270SD WMN250MD
	Ceiling mount (optional)	CML400D	CML400D	CML450D	CML450D
Green management	Energy Star® 5.0 (USA) compliant	Yes			
	Restriction of Hazardous Substances (RoHS) compliant	Yes			
	Emission standard	Electromagnetic compatibility (EMC)			

## Legal and additional information

---

### About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2011 consolidated sales of US\$143.1 billion. Employing approximately 222,000 people in 205 offices across 71 countries, the company operates two separate organizations to coordinate its nine independent business units: Digital Media & Communications, comprising Visual Display, Mobile Communications, Telecommunication Systems, Digital Appliances, IT Solutions, and Digital Imaging; and Device Solutions, consisting of Memory, System LSI and LCD. Recognized for its industry-leading performance across a range of economic, environmental and social criteria, Samsung Electronics was named the world's most sustainable technology company in the 2011 Dow Jones Sustainability Index. For more information, please visit [www.samsung.com](http://www.samsung.com).

### For more information

For additional information about the Samsung ME Series, visit [www.samsungLFD.com](http://www.samsungLFD.com).



Copyright © 2012 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.

Adobe and Flash are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Microsoft and PowerPoint are trademarks of Microsoft Corporation in the United States, other countries, or both.

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

[www.samsung.com](http://www.samsung.com)

---