



Scheda Tecnica Monitor Samsung 46" ME46C

Full HD Display

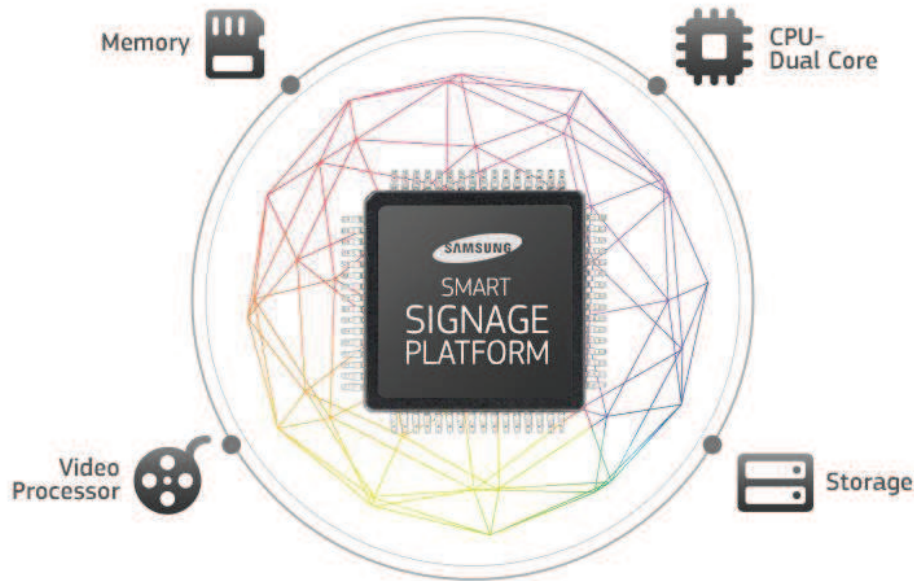
- Samsung MEC Series professional displays offer your business a high image resolution and lightweight, space-saving design

Enhance readability with extraordinary picture quality



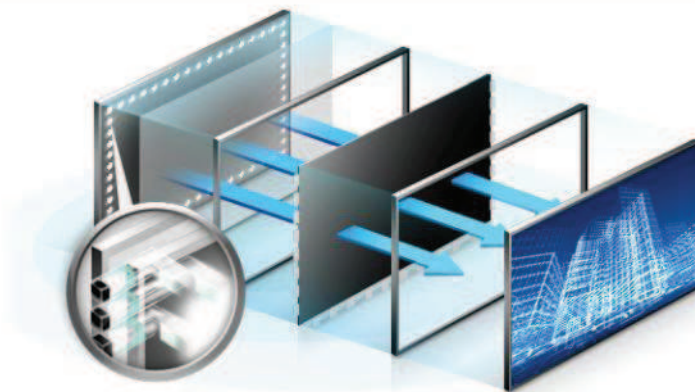
The Samsung MEC Series delivers high-quality images without the distortion, blur or glare inherent in traditional projectors to provide productive, distraction-free presentations. An ultra-clear panel provides sharper, more detailed images and enhanced picture quality. The panel also reduces light scatter and reflection to enhance readability. An enhanced contrast ratio and high brightness support more attractive, vibrant displays with detailed images.

An integrated solution to provide a new digital signage experience



The Samsung Smart Signage Platform (SSSP) is embedded within Samsung displays, providing the power of a dual-core CPU and a combination of media player and integrated display solution, MagicInfo™ Premium S player. The solution eliminates the need for additional PC modules while reducing installation and maintenance issues. Using the included MagicInfo™ Premium S player, businesses can create, schedule, and deploy content effortlessly. Multiple types of content can be streamed simultaneously and continuously courtesy of the dual-core CPU and 8GB of storage, and a high performance video processor integrated on a single chip. Save more by paying less for a display integrated with a media player and premium management solution.

Project large-scale images with less energy consumption



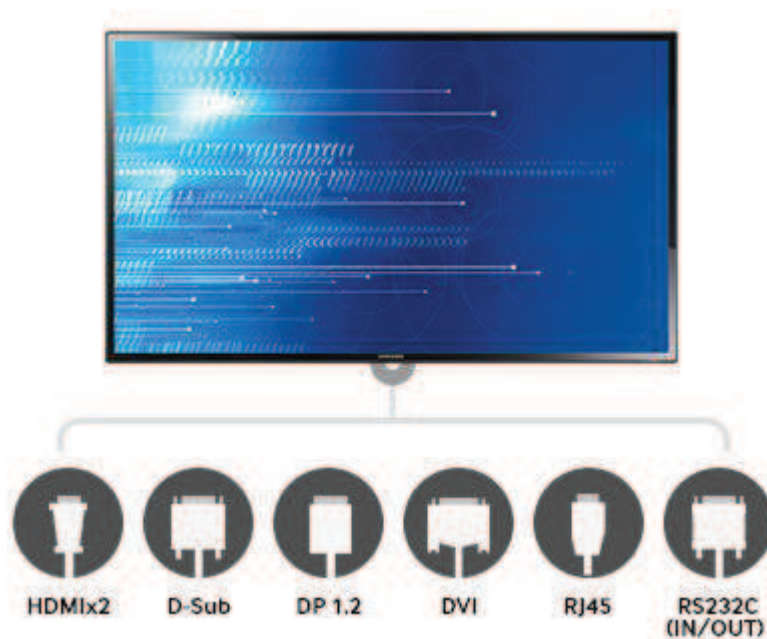
The Samsung MEC Series is economical and gentle on the environment. The MEC Series' edge-type LED features LED lamps located on the sides of the panel. The lamps emit light on the display sides, resulting in a much thinner screen that requires fewer lamps than conventional panels. With fewer LED lamps, power consumption and heat emission are reduced and a slim, lightweight design can be achieved. With these improvements, a more enjoyable environment can be created for viewers in close proximity to the displays.

Create, display and manage. All with simple, effortless steps



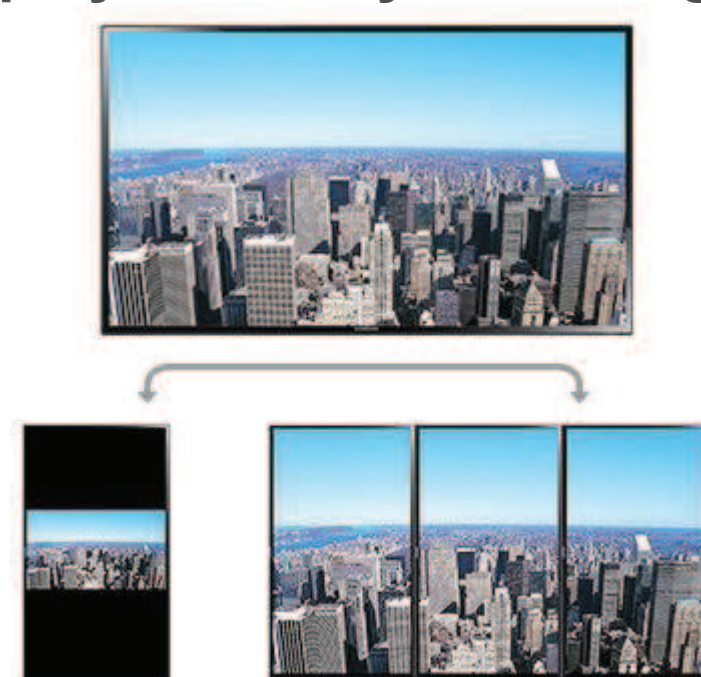
The embedded solution, Samsung MagicInfo™ Premium S player, is designed to easily create, deploy, display content and even manage display operations. • Easy content creation : Easily create multimedia and interactive content with pre-made templates and customise compelling messages using drag & drop and the intuitive user interface. • Easy and efficient content deployment : Play content on multiple displays from a central PC, directly from internal storage or USB drive through simple plug & play. • Simple display operation : Monitor and schedule various types of content in multiple displays from one central location efficiently and without difficulty. These features of the embedded Samsung MagicInfo™ Premium S player come with no additional costs. With the MagicInfo™ Premium S player, monitoring display status and controlling display operation have never been simpler.

Multiple Connectivity Options for Greater Control



The Samsung MEC Series offers powerful connectivity, even when working with RJ45 and RS-232 connections, which competing displays solely rely upon. With the Samsung line of LED LFDs, both network types can be used simultaneously. Using a DVI loop out, a single presentational image can be shared with nearby screens. This feature eliminates the need to purchase separate video signal distributors for each device, further reducing equipment costs.

Greater display flexibility with Image Rotation



The MEC Series offers Image Rotation feature, enabling image orientation rotation from portrait to landscape for greater display flexibility. For convenience when rotating the image, two ratio options are available: original ratio or auto full sizing ratio. Image quality is preserved when the images are rotated, with no loss of ratio.

Optimise the Functionality and Longevity with Protection Glass Option



The Protection Glass Option safeguards the display from potential damage caused by contact with hazardous objects. It offers robust protection in commercial environments. With the flat Protection Glass Option laid over the display, the stylish bezel-less design integrates well with the surrounding environment.

Engage Viewers with Interactive Touch Module Overlay Option



The Touch Module Option transforms the display into a dynamic touch solution. The added touch capability enhances the user experience by enabling the user to interact with the content. Multi-touch capability up to six points delivers a satisfying experience to multiple users simultaneously. Monitor sizes 32 - 55 in. feature an infrared (IR)-type touch.



Samsung MEC Series LED LFDs

Slim, bright displays for delivering messages with improved versatility



Highlights

- Deliver messages using crisp, clear, bright images in a large format display (LFD) with an ultra-clear panel
- Save energy and reduce environmental impact with innovative edge-type LED BLU (backlight unit) technology
- Display a range of content without the need for an external media player using powerful System on Chip (SoC) technology
- Control displays remotely with multiple connectivity capabilities
- Engage viewers with options that include an interactive touchscreen and enhanced content delivered by a Set-back Box-A (SBB-A) PC module

Upgrade digital messaging with vivid, versatile LFDs

Businesses are looking for higher-quality digital signage that offers viewers a more engaging experience. At the same time, companies want to provide digital signage at a lower initial cost by avoiding the expense of buying both a display and media player or PC. Managers also seek to lower energy and maintenance costs for digital signage. In addition, businesses want to display versatile content without incurring additional PC expense.

Samsung MEC Series LFDs produce crisp images with accurate color representation. Edge-type LED BLU units are slimmer and weigh less than conventional LFDs, which make them easier to handle and install. Displays equipped

with LED BLU technology use less energy, emit less heat and contain fewer harmful materials than alternative displays.

MEC Series displays include an internal media player and software to control display content without cumbersome cables. Multiple connections enable display content to be implemented remotely. Businesses can increase viewer engagement with options such as an interactive touchscreen and SBB-A PC module.

MEC Series displays offer businesses simplified control over exceptional digital messaging.



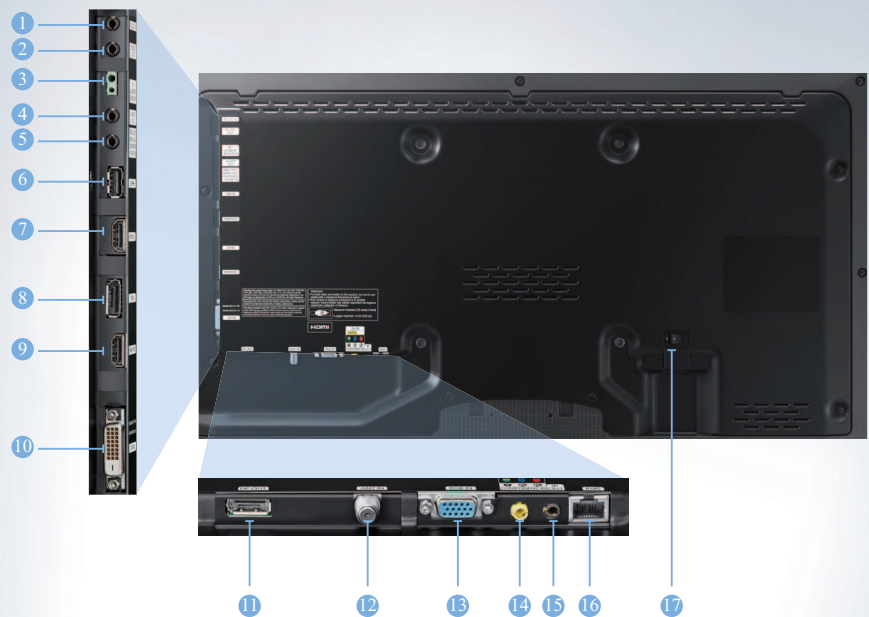
Figure 1. Samsung MEC series displays deliver crisp, clear and bright images.

MEC

32" / 40" / 46" / 55"



Connectors



1. RC232C IN
2. RC232C OUT
3. IR / AMBIENT
SENSOR IN
4. AUDIO OUT

5. RGB / DVI / HDMI /
AV / COMPONENT /
AUDIO IN
6. USB
7. HDMI IN 2

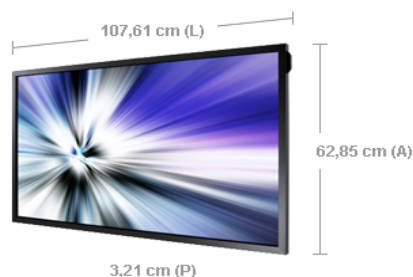
8. DP IN
9. HDMI IN 1
10. DVI IN
11. DP OUT
12. ANT IN

13. RGB IN
14. AV IN / COMPONENT IN
15. IR OUT
16. RJ45
17. POWER

Samsung MEC Series LED LFDs

Specifications

Series			ME32C	ME40C	ME46C	ME55C
Panel	Diagonal size		32 in.	40 in.	46 in.	55 in.
	Type		60 Hz LED BLU			120 Hz LED BLU
	Resolution		1,920 x 1,080 (16:9)			
	Pixel pitch		0.121 mm (H) x 0.363 mm (V) (0.004 in. x 0.014 in.)	0.153 mm (H) x 0.461 mm (V) (0.15375 in. x .018 in.)	0.176 mm (H) x 0.530 mm (V) (0.006 in. x 0.02 in.)	0.210 mm (H) x 0.630 mm (V) (0.008 in. x 0.024 in.)
	Active display area		698.4 mm (H) x 392.85 mm (V) (27.49 in. x 15.46 in.)	885.6 mm (H) x 498.15 mm (V) (34.86 in. x 19.61 in.)	1,018.08 mm (H) x 572.67 mm (V) (40.08 in. x 22.54 in.)	1,209.6 mm (H) x 680.4 mm (V) (47.62 in. x 26.78 in.)
	Brightness		450 nit			
	Contrast ratio		5,000:1			
	Viewing angle (H/V)		178:178			
	Response time (G-to-G)		8 ms			
	Display colors		10bit Dithering - 1.07Billion			
	Color gamut		72%			
	Display	Dynamic C/R		10,000:1 (AV Mode)		
H-Scanning frequency		30 – 81 kHz				
V-Scanning frequency		48 – 75 Hz				
Maximum pixel frequency		148.5 MHz				
Connectivity	Input	RGB	Analog D-SUB, DVI-D, Display Port 1.2			
		Video	HDMI1, HDMI2, Component(CVBS Common)			
		Audio	Stereo mini jack			
	Output	Audio	Stereo mini jack			
	External control		RS232C(in/out) thru stereo jack, RJ45			
Power	Type		Internal			
	Power supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz			
	Power consumption Max (W/h)		77	110	121	143
Mechanical specs	Dimension	Set	734.8 mm X 433.8 mm X 29.9 mm	922.1 mmX 539.4 mm X 29.9 mm	1057.6 mmX 615.8 mmX 29.9 mm	1248.0 mmX 722.4 mmX 29.9 mm
	Weight	Set	6.7	10.6	13.1	16.4
	VESA mount		200 mm x 200 mm (7.87 in. x 7.87 in.)	200 mm x 200 mm (7.87 in. x 7.87 in.)	400 mm x 400 mm (15.74 in. x 15.74 in.)	400 mm x 400 mm (15.74 in. x 15.74 in.)
	Stand type		Foot stand (optional)			
	Media player option type		N/A	Embedded, SBB-C (Attachable)		
	Bezel width		16.2mm (Bottom 20.8mm)	16.2mm (Bottom 20.9mm)	17.3mm (Bottom 20.9mm)	17.2mm (Bottom 20.8mm)
Key feature			Slim and light LFD with built-in MagicInfo™ Lite			

**LCD****Formato**
46"**Tipo**
Modulo touch sovrapponibile**Specifiche meccaniche****Dimensioni**Dimensioni set (LxAxP)
107,61 x 62,85 x 3,21 cm
Dimensioni confezione (LxAxP)
118,7 x 73,8 x 10,2 cm**Peso**Peso set
7,3 kg
Peso confezione
9,2 kg**glass thickness**
2,8 mm**Glass Film**
AG (anteriore), PET (posteriore)**Glass Reflection Rate**
≤10%**Glass Haze**
≤15%**Frame Material**
Estrusione di alluminio**Bezel Width(mm)**
2,65 cm**LCD****Formato**
55"**Tipo**
Modulo touch sovrapponibile**Specifiche meccaniche****Dimensioni**Dimensioni set (LxAxP)
126,7 x 73,57 x 3,21 cm
Dimensioni confezione (LxAxP)
137,7 x 84,4 x 10,2 cm**Peso**Peso set
9,5 kg
Peso confezione
12,2 kg**glass thickness**
2,8 mm**Glass Film**
AG (anteriore), PET (posteriore)**Glass Reflection Rate**
≤10%**Glass Haze**
≤15%**Frame Material**
Estrusione di alluminio**Bezel Width(mm)**
2,65 cm

Samsung MEC Series LED LFDs

Specifications

Series			ME32C	ME40C	ME46C	ME55C
Feature	Special		Magic Clone(to USB), Auto Source Switching & Recovery, Lamp Error Detection, Super Clear Coating, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), PIP/PBP, Video Wall(10x10), Pivot Display, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(Supporting 2x2 UHD Resolution, HDCP Support), Smart Scheduling, Smart F/W update, Clock Battery(80hrs Clock Keeping) Built In MagicInfo(Lite, Premium-S, Videowall-S)			
	Internal layer (Embedded H/W)	Processor	Cortex-A9 1GHz Dual Core CPU			
		On-Chip Cache Memory	L1 (I/D) : 32KB / 32KB L2 (Unified) : 512KB			
		Clock Speed	1GHz CPU Dual			
		Main Memory Interface	1GB Dual 32bit DDR3-667 (1333MHz)			
		IO Ports	USB 2.0			
		OS	Linux			
		Graphics	2D & 3D Graphics Engine - Up to 1920x1080. 32bpp - Supports OpenGL ES			
Accessories	Optional	Stand	STN-L32D	STN-L4055AD	STN-L4055AD	STN-L4055AD
		Mount	WMN4070SD WMN250MD	WMN4070SD WMN250MD	WMN4270SD WMN250MD	WMN4270SD WMN250MD
		Specialty	CML400D (Ceiling Mount)	CML400D (Ceiling Mount)	CML450D (Ceiling Mount)	CML450D (Ceiling Mount)
	Included		Quick Setup Guide, Warranty Card, Application CD, D-Sub cable, Power Cord, Remote Controller, Batteries, Component Gender, Holder P-Ring, Holder Wire Stand	Quick Setup Guide, Warranty Card, Application CD, D-Sub cable, Power Cord, Remote Controller, Batteries		
Media Player		SBB-C (Optional, No Mechanical Screw Hole)	SBB-C (Optional)			