

# 460EX · 460EXn · 550EX · 550EXn

SAMSUNG

## 46" and 55" LED Backlight Professional LCD Displays



### Features:

- World's thinnest (just 1.6" deep), lightest and most energy efficient 46"/55" professional LCD displays
- First professional LCD display to incorporate LED backlight
- 120Hz panel refresh rate allows faster scrolling of text
- Full HD 1080p for the highest resolution images
- 10,000:1 dynamic contrast ratio for detailed whites and blacks
- 460EXn and 550EXn feature integrated PCs and Samsung MagicInfo Pro and MagicInfo i software for a web-based server that gives you easy content management from anywhere



460EXn



550EXn

Samsung EX-series professional LCD displays (460EX, 460EXn, 550EX, 550EXn) are an incredible 1.6" thin. They're the thinnest, lightest 46" and 55" professional LCD displays in the world, thanks to LED backlight technology. LED is also more energy-efficient, consuming up to 30% less energy than a similarly sized CCFL backlight display. A 120Hz panel refresh rate enables sharp scrolling type, while 10,000:1 dynamic contrast ratio delivers detailed whites and blacks. And the 460EXn and 550EXn feature built-in PCs and exclusive MagicInfo Pro and MagicInfo i software to provide a web-based server, allowing you to access, control and upload content to your displays from anywhere.

460EX  
460EXn  
550EX  
550EXn



46" and 55" LED Backlight Professional LCD Displays

**Features**

**Thinnest, Lightest**

The 460EX(n) and 550EX(n) are just 1.6" deep. They're the thinnest and lightest 46" and 55" professional LCD displays made, and the thin and light design makes installation simpler.

**LED Backlight**

The LED backlight not only allows a thinner and lighter form factor, it also provides brighter, more vibrant images. LED backlight technology is also more energy-efficient, by up to 30% over a typical CCFL backlight display.

**120Hz Panel Refresh Rate**

The 120Hz panel refresh rate enables type and digital signage to scroll without judder and artifacting.

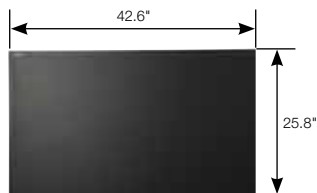
**High Contrast Ratio**

The 10,000:1 dynamic contrast ratio provides detail even in the whites and the blacks.

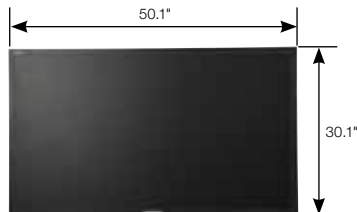
**Network Content Management**

The 460EXn and 550EXn feature built-in PCs to offer network connectivity without having to install separate PCs at each location. Exclusive Samsung MagicInfo Pro and MagicInfo i software gives you a web-based server, allowing you to access, control and upload content to your displays from anywhere.

**460EXn Dimensions**



**550EXn Dimensions**



Specifications		460EX	460EXn	550EX	550EXn
Panel	Diagonal Size	46"	46"	55"	55"
	Type	LED	LED	LED	LED
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness (Typ.)/(min)	450 (Typ.) / 400 (Min)	450 (Typ.) / 400 (Min)	450 (Typ.) / 400 (Min)	450 (Typ.) / 400 (Min)
	Contrast Ratio (Typical)	3,000:1	3,000:1	3,000:1	3,000:1
	Contrast Ratio (Dynamic)	10,000:1	10,000:1	10,000:1	10,000:1
	Viewing Angle (H/V)	178°/178°	178°/178°	178°/178°	178°/178°
	Lamp Type	Edge	Edge	Edge	Edge
	Response Time (G-to-G)	8ms	8ms	8ms	8ms
	Color Space (CIE1931)	80%	80%	80%	80%
Connectivity	PC inputs	D-Sub	D-Sub	D-Sub	D-Sub
	Video Inputs	HDMI, AV	HDMI, AV	HDMI, AV	HDMI, AV
	Network	VGA (out), LAN (in), USB x 3	VGA (out), LAN (in), USB x 3	VGA (out), LAN (in), USB x 3	VGA (out), LAN (in), USB x 3
	Communication Port	RS232C (in/out), RJ45	RS232C (in/out), RJ45	RS232C (in/out), RJ45	RS232C (in/out), RJ45
	Audio	PC Stereo (in), AV L/R (in), Audio-out	PC Stereo (in), AV L/R (in), Audio-out	PC Stereo (in), AV L/R (in), Audio-out	PC Stereo (in), AV L/R (in), Audio-out
Power	Power Consumption (Max.)	135W	170W	165W	200W
	Power Consumption at Stand-by (Max.)	2W	2W	4W	4W
	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
Mechanical Spec	VESA Mount	400 x 400mm	400 x 400mm	400 x 400mm	400 x 400mm
	Weight (Set/Package)	32 lbs.	34 lbs.	41 lbs.	43 lbs.
	Dimension (w/o Stand)	42.6" x 25.8" x 1.6"	42.6" x 25.8" x 1.6"	50.1" x 30.1" x 1.6"	50.1" x 30.1" x 1.6"
Operation	Operating Temperature	32 ~ 104° F	32 ~ 104° F	32 ~ 104° F	32 ~ 104° F
	Humidity	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing	10% ~ 80%, non-condensing
	MTTF	30,000 hrs (@40°)	30,000 hrs (@40°)	30,000 hrs (@40°)	30,000 hrs (@40°)
Network	Operating System	N/A	Window XP Embedded Standard	N/A	Window XP Embedded Standard
	CPU	N/A	Turion II Dual-Core 520 (2.1GHz)	N/A	Turion II Dual-Core 520 (2.1GHz)
	Cache	N/A	256KB (L1), 1MB (L2)	N/A	256KB (L1), 1MB (L2)
	N/B	N/A	AMD RS780E	N/A	AMD RS780E
	S/B	N/A	AMD SB710	N/A	AMD SB710
	GPU	N/A	AMD RS780E (IGP)	N/A	AMD RS780E (IGP)
	FDM / HDD	N/A	40GB	N/A	40GB
	Memory	N/A	SEC DDR2 1GB	N/A	SEC DDR2 1GB
	Ethernet	N/A	Marvell 88E8055 Gigabit LAN	N/A	Marvell 88E8055 Gigabit LAN
	USB	N/A	3 USB	N/A	3 USB
	VGA OUT	N/A	1 VGA Out	N/A	1 VGA Out
	Audio Codec	N/A	Realtek ALC262	N/A	Realtek ALC262
	MagicInfo Pro and MagicInfo i Features	N/A	- Contents Play (Photo, Movie, Music, Offices, PDF, Flash, Web Page, Text, Input sources) - Contents scheduler - MDC via Network - Diagnosis (Lamp, Temperature, etc.) - Network System information - Asset management - Global Network	N/A	- Contents Play (Photo, Movie, Music, Offices, PDF, Flash, Web Page, Text, Input sources) - Contents scheduler - MDC via Network - Diagnosis (Lamp, Temperature, etc.) - Network System information - Asset management - Global Network
Optional Items	Speaker	10W x 2 Built-in	10W x 2 Built-in	10W x 2 Built-in	10W x 2 Built-in
	Wall Mount	WM-4270S	WM-4270S	WM-4270S	WM-4270S
	Vertical Mount	WM-4270S	WM-4270S	WM-4270S	WM-4270S
	Ceiling Mount	CML500D	CML500D	CML502D	CML502D
	Stand	Optional	Optional	Optional	Optional



Product Information: 1-866-542-7214 [samsung.com/prodisplay](http://samsung.com/prodisplay)  
Product Support: 1-800-SAMSUNG