

400EX · 400EXn · 460EX · 460EXn · 550EX · 550EXn

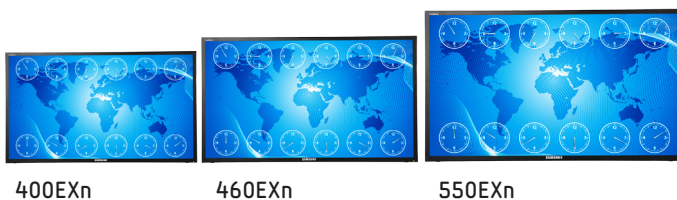
SAMSUNG

40", 46" and 55" LED Professional LCD Displays



Features:

- Samsung's thinnest (just 1.6" deep), lightest and most energy efficient 40"/46"/55" professional LCD displays
- Samsung's 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
- 400EXn, 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



Samsung EX-series professional LCD displays (400EX, 400EXn, 460EX, 460EXn, 550EX, 550EXn) are an incredible 1.6" thin. They're the thinnest, lightest 40", 46" and 55" professional LCD displays from Samsung, thanks to LED backlight technology. LED is also more energy-efficient, consuming 30%-50% 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 400EXn, 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.

400EX/400EXn
460EX/460EXn
550EX/550EXn



40", 46" and 55" LED Professional LCD Displays

Specifications		400EX/400EXn	460EX/460EXn	550EX/550EXn
Display	Screen Size	40"	46"	55"
	Panel Technology	120Hz LED panel	120Hz LED panel	120Hz LED panel
	Brightness	450 cd/m2	450 cd/m2	450 cd/m2
	Contrast Ratio	6000:1/10,000:1 Dynamic	5000:1/10,000:1 Dynamic	6000:1/10,000:1 Dynamic
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080
	Pixel Pitch (H x W)	0.46125 x 0.15375	0.17675 x 0.53025	0.21 x 0.63
	Response Time	6ms	9ms	6ms
	Viewing Angle	178°/178°	178°/178°	178°/178°
Video	Color Support	80% (Color Gamut)	80% (Color Gamut)	80% (Color Gamut)
	Native Resolution	1920 x 1080	1920 x 1080	1920 x 1080
	Scanning Frequencies	H: 30~81KHz, V: 56~85Hz	H: 30~81KHz, V: 56~85Hz	H: 30~81KHz, V: 56~85Hz
Connectivity	Pixel Frequency	148.5 MHz	148.5 MHz	148.5 MHz
	Inputs	PC: D-SUB (VGA), Video: HDMI, Audio: JACK type	PC: D-SUB (VGA), Video: HDMI, Audio: JACK type	PC: D-SUB (VGA), Video: HDMI, Audio: JACK type
	Outputs	PC: DVI out, Audio: N/A	PC: DVI out, Audio: JACK type	PC: DVI out, Audio: JACK type
	Built-in PC	400EXn only	460EXn only	550EXn only
Power	External Control	LAN RJ45, RS 232C IN/OUT	LAN RJ45, RS 232C IN/OUT	LAN RJ45, RS 232C IN/OUT
	Power Supply	AC 100 - 240V(+/- 10%), 50/60 Hz	AC 100 - 240V(+/- 10%), 50/60 Hz	AC 100 - 240V(+/- 10%), 50/60 Hz
	Power Consumption Typical/Max	150W/200W	170W/220W	200W/250W
	Power Consumption Stand-by	400EX: Less than 2W 400EXn: Less than 5W	460EX: Less than 2W 460EXn: Less than 5W	550EX: Less than 2W 550EXn: Less than 5W
Environmental Conditions	Power Consumption Power Off	400EX: Less than 1W 400EXn: Less than 3W	460EX: Less than 1W 460EXn: Less than 3W	550EX: Less than 1W 550EXn: Less than 3W
	Operating Temperature	400EX: 32°F~104°F 400EXn: 50°F~104°F	460EX: 32°F~104°F 460EXn: 50°F~104°F	550EX: 32°F~104°F 550EXn: 50°F~104°F
	Operating Humidity	10%~80% non-condensing	10%~80% non-condensing	10%~80% non-condensing
	MTBF	50,000 hours	50,000 hours	50,000 hours
Special Features	Recommended Runtime	16/7	16/7	16/7
	VESA Standard Wall-Mount Interface	400 x 400mm	400 x 400mm	400 x 400mm
	Landscape/Portrait Option	Yes/Yes	Yes/Yes	Yes/Yes
	Stand Type	Foot Stand (Optional)	Foot Stand (Optional)	Foot Stand (Optional)
	Temperature Sensor	Yes	Yes	Yes
	Split Zoom	Yes (Supports Natural Mode)	Yes (Supports Natural Mode)	Yes (Supports Natural Mode)
	Source Selection	Digital (HDMI)/Analog (RGB) Component/AV (D-SUB)	Digital (HDMI)/Analog (RGB) Component/AV (D-SUB)	Digital (HDMI)/Analog (RGB) Component/AV (D-SUB)
	Brightness/Control	Yes	Yes	Yes
	Color Support	Warm/Cool/User Control	Warm/Cool/User Control	Warm/Cool/User Control
	Tracking	Auto/Clock/Phase	Auto/Clock/Phase	Auto/Clock/Phase
	Set-up	Language (English/French/Spanish/German)	Language (English/French/Spanish/German)	Language (English/French/Spanish/German)
	Time	Clock/On/Off Timer/Auto Sleep/Power on Delay	Clock/On/Off Timer/Auto Sleep/Power on Delay	Clock/On/Off Timer/Auto Sleep/Power on Delay
	Mute/Sleep Timer	Yes	Yes	Yes
	Auto Power/Source Memory	Yes	Yes	Yes
	Key Lock/DPM Select	Yes	Yes	Yes
	Others	Maginfo i (400EXn only), 10Wx2 (Built-in speakers) LED BLU, LAN MDC	Maginfo i (460EXn only), 10Wx2 (Built-in speakers) LED BLU, LAN MDC	Maginfo i (550EXn only), 10Wx2 (Built-in speakers) LED BLU, LAN MDC
Dimension	Product Dimension	Without Stand: 37.39" (W) x 22.86" (H) x 1.68" (D)	Without Stand: 42.61" (W) x 25.77" (H) x 1.57" (D)	Without Stand: 50.13" (W) x 30.05" (H) x 1.57" (D)
	Shipment Dimension	TBD	47.6" (W) x 30.35" (H) x 7.83" (D)	55.28" (W) x 35.35" (H) x 8.66" (D)
	Bezel Width	29.5mm	29.5mm	29.5mm
Weight	Product Weight	400EX: 26.46 lbs/400EXn: 28.0 lbs	460EX: 37.48 lbs/460EXn: 38.58 lbs	550EX: 45.19 lbs/550EXn: 46.30 lbs
	Shipment Weight	TBD	45.19 lbs	55.12 lbs
Certification	Safety	UL/c-UL/CB scheme/TUV/NEMKO	UL/c-UL/CB scheme/TUV/NEMKO	UL/c-UL/CB scheme/TUV/NEMKO
	EMC	400EX: FCC Class "B"/400EXn: FCC Class "A" VCCI/C-tick/GOST/CE/MIC	460EX: FCC Class "B"/460EXn: FCC Class "A" VCCI/C-tick/GOST/CE/MIC	550EX: FCC Class "B"/550EXn: FCC Class "A" VCCI/C-tick/GOST/CE/MIC
	Energy Efficiency	400EX: Energy Star 5.0/400EXn: N/A	460EX: Energy Star 5.0/460EXn: N/A	550EX: Energy Star 5.0/550EXn: N/A
Warranty/Service	3 Years Onsite Parts and Labor	3 Years Onsite Parts and Labor	3 Years Onsite Parts and Labor	
Included Accessories	Manual (Quick Setup Guide, Warranty Card, User's Guide), Cable (D-Sub Cable), Others (Remote Control, Batteries)	Manual (Quick Setup Guide, Warranty Card, User's Guide), Cable (D-Sub Cable), Others (Remote Control, Batteries)	Manual (Quick Setup Guide, Warranty Card, User's Guide), Cable (D-Sub Cable), Others (Remote Control, Batteries)	
Optional Accessories	Wall Mount	WMN-4270SD (Optional)	WMN-4270SD (Optional)	WMN-4270SD (Optional)
	Stand (Both components required)	STN-L3257D (Stand) (Optional) STN-LE4055D (Stand Bar) (Optional)	STN-L3257D (Stand) (Optional) STN-LE4055D (Stand Bar) (Optional)	STN-L3257D (Stand) (Optional) STN-LE4055D (Stand Bar) (Optional)

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