



Samsung Display Solutions

VideoWall Display Solutions


THE NEW
BUSINESS
EXPERIENCE

SAMSUNG

Videowalls are a powerful new way to break through the clutter and engage with your intended audience. Samsung pioneered LCD-based videowalls and is now the market leader in ultra-thin, eco-friendly, LED-based videowalls. Our complete solution includes a wide range of advanced LED display panels, robust management software, and media players to suit almost any need and budget. Samsung videowalls are used by leading retailers, airports, businesses, public venues and educational facilities around the world.

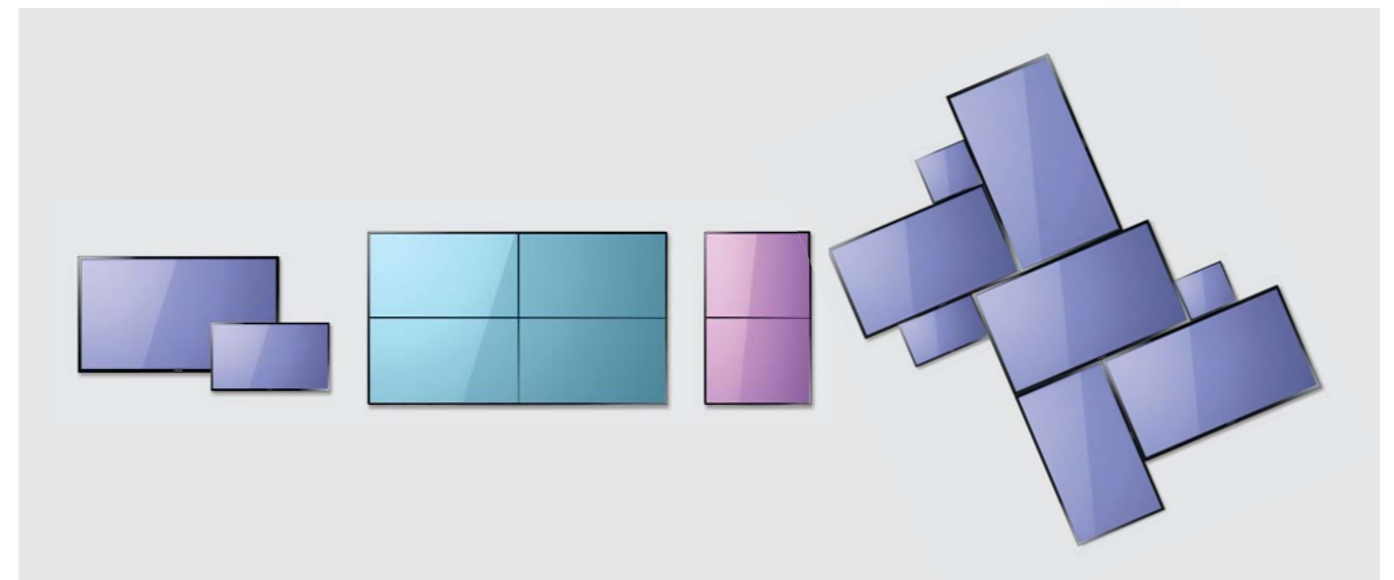
Enjoy Complete Design Freedom with the Widest Range of Panels

Samsung's wide range of videowall display sizes and shapes enables you to create stunning videowalls in almost any location and with almost any configuration. The UDD, UDC-B and UED Series panels have a traditional 16:9 aspect ratio and are available in 46" and 55" sizes. The UD22B display has a unique square shape (1:1 aspect ratio) for even more design options.



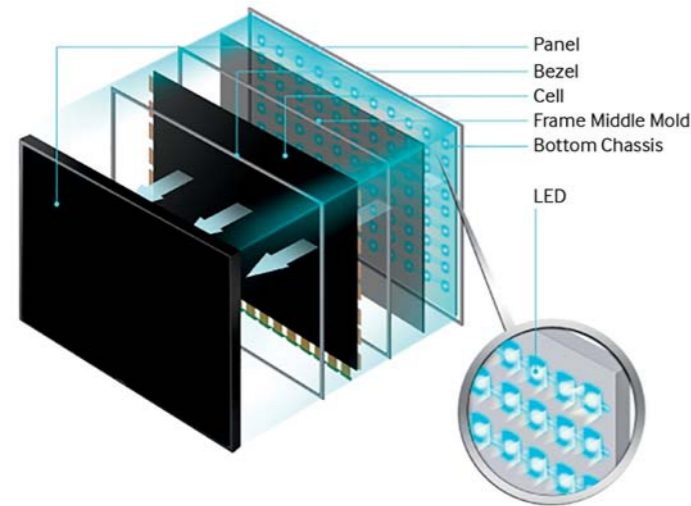
UDD	UDD-P	UDC-B	UED	UD22B
Ultra narrow bezels with advanced color management	Ultra narrow bezels with optimised picture quality	Virtually seamless displays that won't break your budget	Affordable displays with advanced color management	Unique 1:1 aspect ratio displays for unique and artistic designs
55"	46"	46", 55"	46", 55"	21.6"
16:9 aspect ratio	16:9 aspect ratio	16:9 aspect ratio	16:9 aspect ratio	1:1 aspect ratio
700 nit brightness	700 nit brightness	450-500 nit brightness	450 nit brightness	450 nit brightness
Extended business hours 24 hours / 7 days	Extended business hours 24 hours / 7 days	Extended business hours 24 hours / 7 days	Business hours 16 hours / 7 days	Extended business hours 24 hours / 7 days
3.5mm bezel to bezel thickness	3.5mm bezel to bezel thickness	5.5mm bezel to bezel thickness	11mm bezel to bezel thickness	5.5mm bezel to bezel thickness

The displays enable a wide range of creative configuration options. Create a single landscape display for a shop window. Or a multi-panel portrait wall in a meeting room. Or a massive 10x10 videowall in a public space. Samsung MagicInfo® software* gives even greater design freedom by enabling asymmetric videowalls that are unique and artistic.



*Comes with MagicInfo Lite, MagicInfo Player S2 and/or MagicInfo Express, depending on product model. Certain features, services and applications are available only upon purchase of separate licences, please check with Samsung for more details. Prior registration may be required, software terms and conditions apply.

Grab Viewer Attention with Advanced Displays and Dynamic Content



Bright, Full-HD Panels That Get Noticed

Samsung LED displays produce brilliant, vivid images that grab the viewer's attention. The displays have full HD resolution and up to 700 nits brightness for crystal-clear, sharp images.



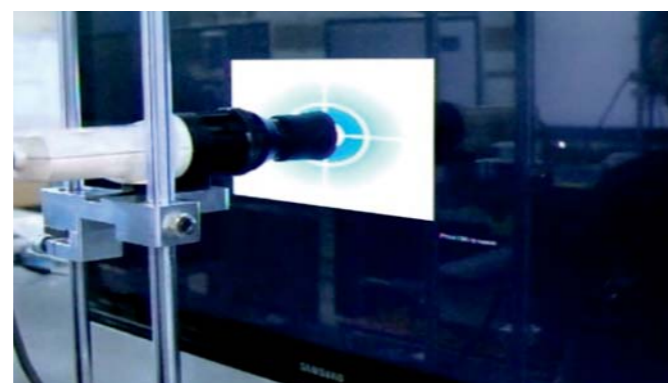
Ultra-Narrow Bezels Maximise Visuals

Don't let beautiful visuals get chopped up with gridlines from thick bezels. Samsung videowall displays have ultra-narrow bezels for a nearly seamless visual experience. The UDD and UDC-B models have a bezel-to-bezel width of just 3.5 mm (0.14 inches), while the UED models have a narrow bezel width of 5.5 mm (0.22 inches).



MagicInfo Software for Dynamic Content

The optional MagicInfo software* enables many creative ways to display content. Schedule content based on time of day. Show live camera or PC feeds on one or many displays. Create distinctive art walls with unique shapes. The possibilities are endless.



Color Expert Ensures Color Uniformity

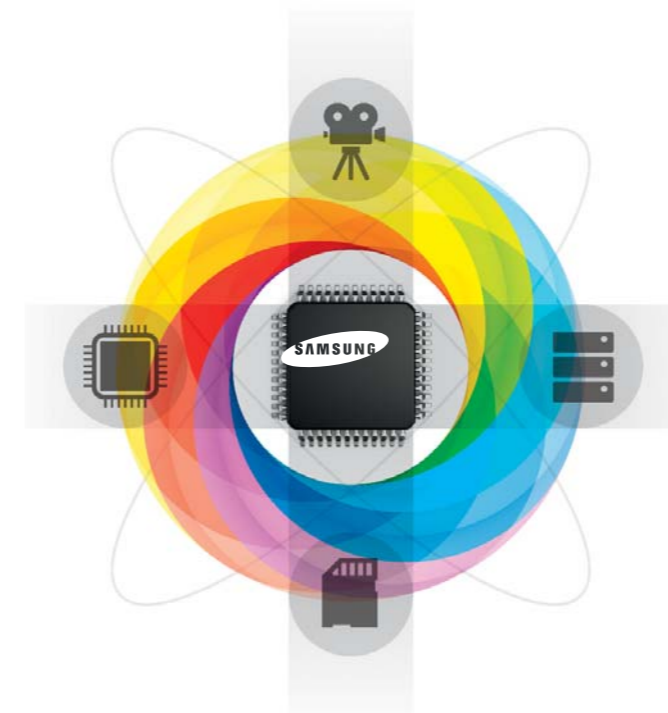
Samsung displays are factory calibrated for color and white balance uniformity. The calibration minimises post-installation tuning across the videowall. Select displays also include Color Expert features to adjust colors across the videowall.

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Lower Upfront Operating Costs

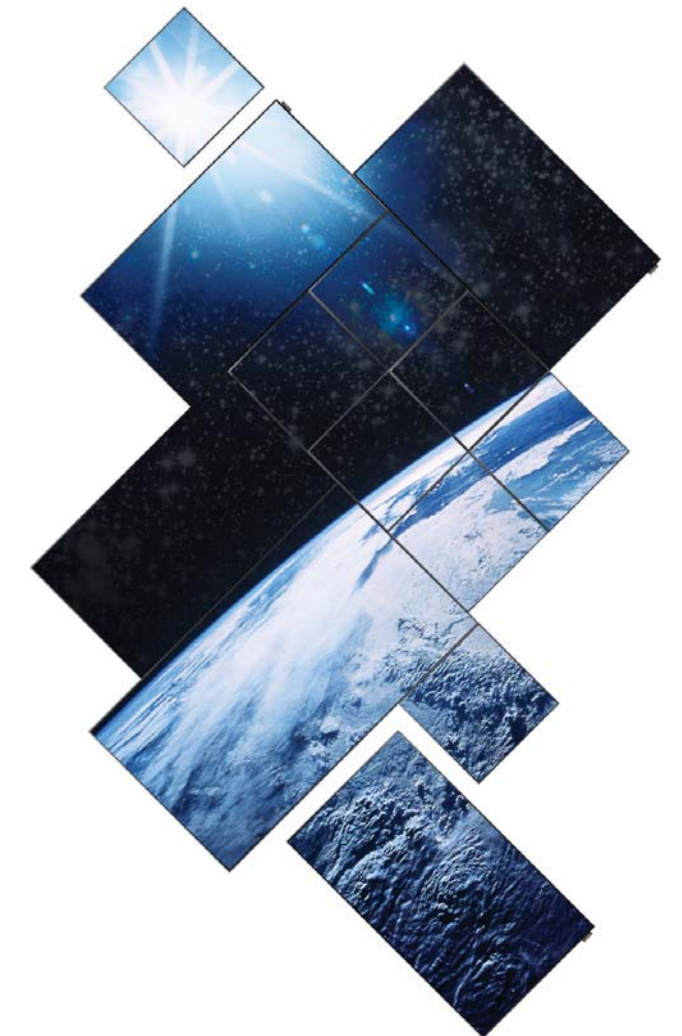
Lower Upfront Costs

Think videowalls are too expensive to purchase and operate? Not with Samsung. Since we design and build our displays in-house, we can offer cost-effective videowall solutions to fit almost any budget. For basic functionality, the UDC-B displays enable virtually seamless videowalls at an affordable price. The UDD and UED Series have on-board processors and storage for basic playback without the need to attach a separate PC or media player.



Rely on Samsung Quality and Reliability

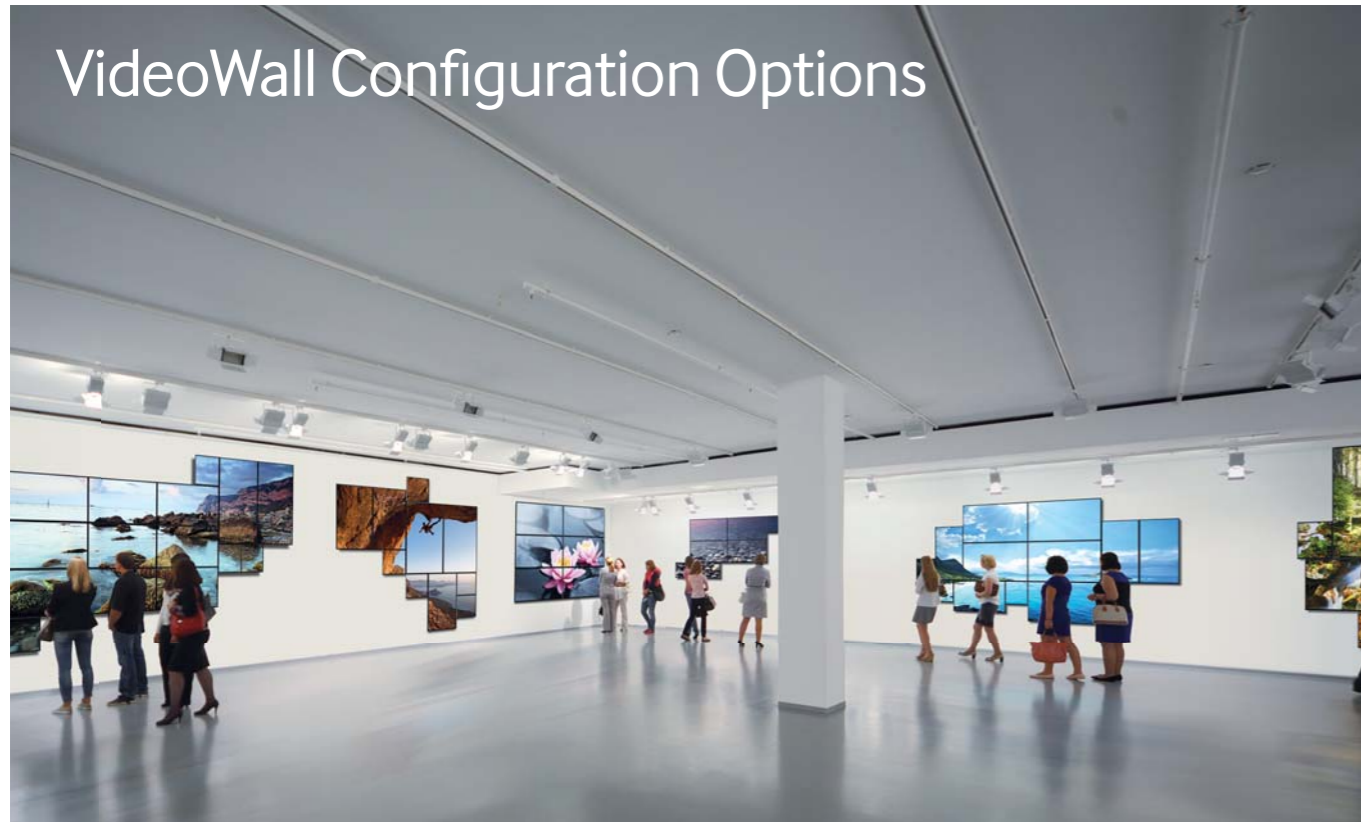
Samsung is the global leader in advanced video displays. We manufacture millions of displays for televisions, smartphones, tablets, monitors and, of course, videowalls. Our videowall displays are built for demanding commercial installations with high-quality components to ensure reliable, long-term performance.



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VideoWall Configuration Options



Depending on the desired functionality, Samsung offers three different deployment options:

	Basic	Intermediate	Advanced
	Simple playback with scheduling	Various content playback with scheduling	Various content, IP camera, and multi-PC playback with scheduling
Max. Displays	Up to 100	Up to 50	Up to 250
Displays Supported	UD46D-P and UED Series	UD46D-P and UED Series	All videowall displays with SBB added
Functions	Linear only (2x2, 3x3)	Linear and asymmetric	Linear and asymmetric
	16:9 aspect ratio	Scheduled play	Scheduled play
	1920 x 1080 across entire wall	Multiple aspect ratios	Multiple aspect ratios
	Display single source only	Full HD on every screen	Full HD on every screen
	4k Videowall on 2x2 configuration	Display multiple sources	Display multiple sources
	Scheduled play	Display images across single or multiple screens	Display images across single or multiple screens
	USB Autoplay	HDCP support	HDCP support
	Network play	Image rotation	Image rotation
		Art wall (parallel/vertical)	Art wall (any angle)
		Remote monitor management	Remote monitor management
Technology	Live camera and PC feeds		
	MagicInfo Player S2	MagicInfo Player S2	MagicInfo Player i
	On-board processors and storage (included)	Network switch/LAN/Gb Ethernet	Network switch/LAN/Gb Ethernet
	DisplayPort (included)		Set-Back Box (SBB) for each display



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Basic Content Playback Using On-Board Processors and Storage

For basic video playback, simply use the on-board processors and storage in the UDD, UDD-P, and UED Series to daisy chain up to 100 displays. The display's second generation Smart Signage Platform can be scheduled to play videowall content on its own. The videowall content can be delivered via USB or wirelessly over the built-in Wi-Fi.

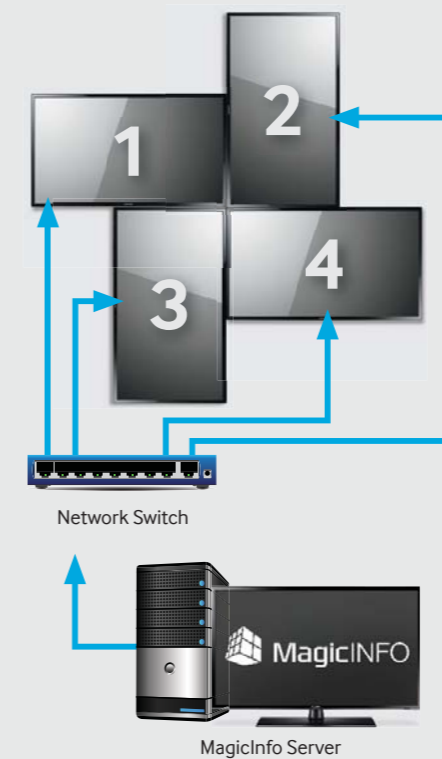


Note: UD46C and UD55D with 1st generation Samsung SMART Signage Platform (SSSP) require external video source.

Semi-Complex Deployments with MagicInfo Server

For more robust deployments, the MagicInfo Server can drive up to 50 displays. Unlike conventional videowall systems, this option does not require a separate media player for each display. Minimising hardware, wiring and installation costs significantly.

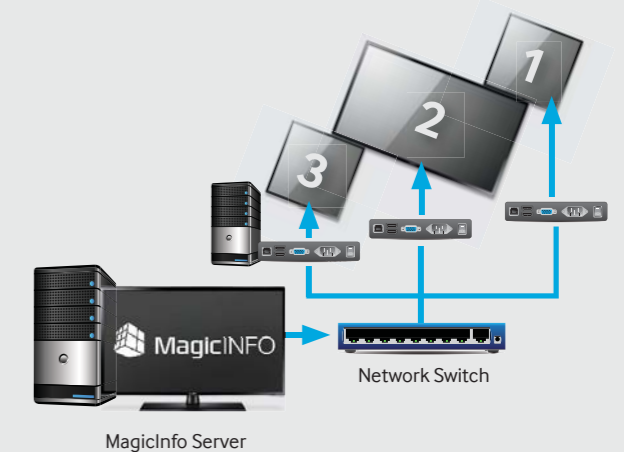
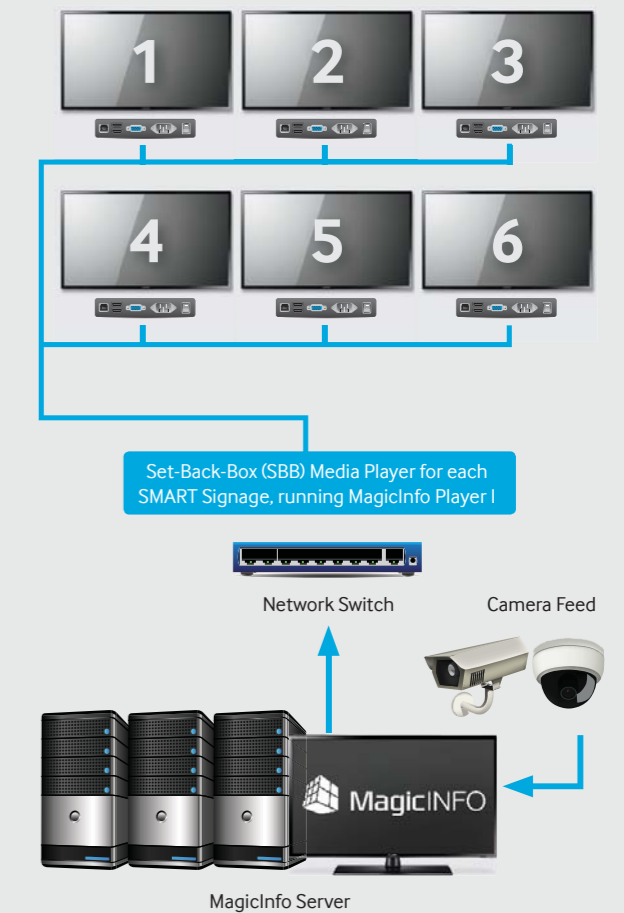
MagicInfo Server is a network-based solution, so it does require a Gigabit Ethernet LAN network with a switch. It has many additional features for including asymmetric configurations, schedule-based playback and mixed panel sizes/aspect ratios.



Note: UD46C and UD55D with 1st generation SSSP require dedicated PC to run Video Wall Console.

Live Streaming and Large-Scale Deployments with MagicInfo Server

For larger deployments or additional functionality, MagicInfo Server and associated hardware can manage up to 250 displays. It is ideal for displaying PC and camera feeds, rotating the screens, or overlapping the screens.



Note: UD46C and UD55D with 1st generation SSSP require dedicated PC to run Video Wall Console.



Impress Visitors at Your Business Facility

Impress visiting prospects, customers and partners by communicating your company message in lobbies, entrances, and trade show booths. The Samsung videowall panels have sleek and thin profiles that suit almost any business décor. For complex deployments like operations centers and control rooms, the optional MagicInfo Player i software* enables live video camera and PC feeds directly onto the displays for real-time data sharing.

Ideal For:

- Lobbies and Entrances
- High-Profile Areas
- Customer Briefing Centers
- Trade Show Booths
- Operations Centers and Control Rooms



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Engage Viewers in Public Spaces

Public spaces require large videowalls to break through the clutter and visual noise. Whether it's a busy airport terminal or an elite art gallery, Samsung videowalls render bright, bold images that can be displayed in a variety of sizes and shapes. For public spaces that need always-on videowalls, the UDD, UDC-B, UDD-P and UD22B displays are rated for 24/7 operation.

Ideal For:

- Museums and Galleries
- Convention Centers
- Stadiums and Arenas
- Airport and Railroad Terminals
- Performing Arts Centers



Entice Customers at Retail Venues

Samsung videowall solutions are ideal for almost any size and type of retail environment. Boutiques and specialty retailers can create stunning videowalls with artistic designs and shapes that set the right mood. Department stores can deploy videowalls in high traffic areas with attention-catching promotions. Malls and shopping centers can communicate upcoming events and create a shopping-friendly ambiance.

Samsung videowalls can also be deployed in bank branches and retail investment centers to promote new products and display stock tickers and market information.

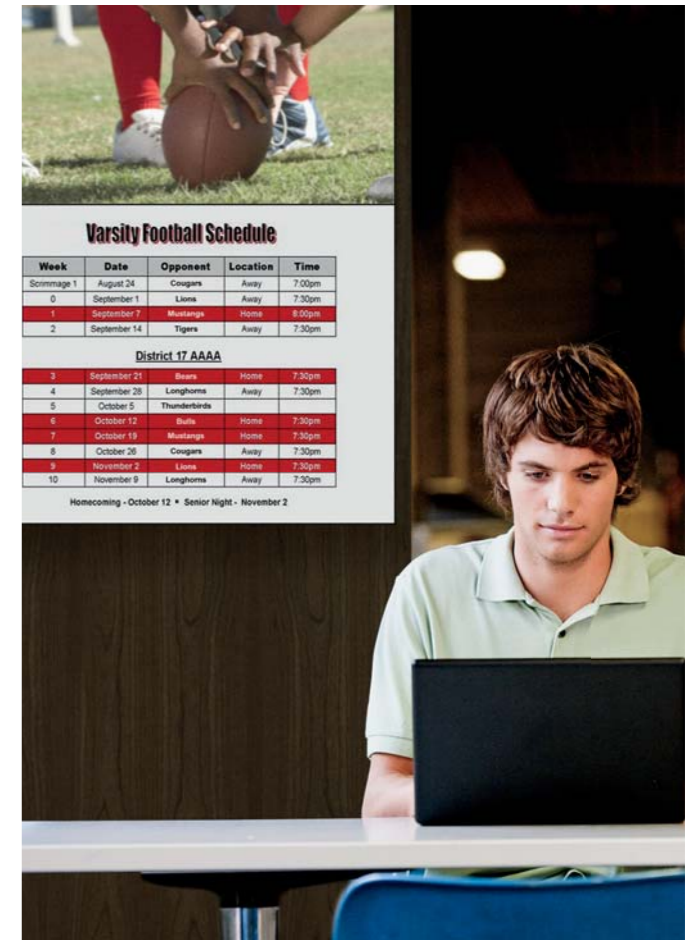
Ideal For:

- Department Stores
- Boutiques and Specialty Retail
- Shopping Malls
- Movie Theaters
- Themed Restaurants and Clubs
- Bank Branches and Investment Centers



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Connect with Students and Alumni

Samsung videowalls can support outreach efforts when visitors, alumni and benefactors are on campus for sporting events, reunions and meetings. The videowalls can be used to tastefully message university achievements like distinguished faculty awards, student achievements and athletic performance.

Samsung videowalls can also be used to promote student organisations, activities and upcoming events in student unions and common spaces.

Ideal For:

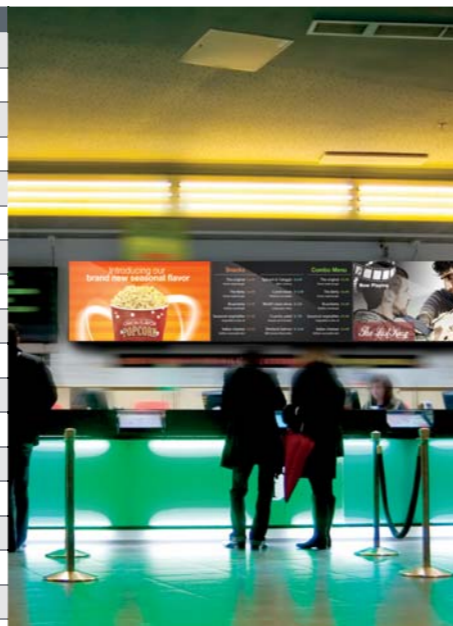
- Stadiums and Arenas
- Alumni Centers
- Building Entrances
- High-Profile Areas
- Student Unions and Common Areas
- College Museums and Performing Arts Centers

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Videowall Panel Specifications

Model		UE46D	UE55D	
Panel	Diagonal Size	46"	55"	
	Type	120Hz e-LED BLU	120Hz e-LED BLU	
	Resolution	1920 x 1080 (16:9)	1920 x 1080 (16:9)	
	Pixel Pitch (mm)	0.15375 (H) x 0.46125 (V)	0.210 (H) x 0.630 (V)	
	Active Display Area (mm)	1018.08 (H) x 572.67 (V)	1209.6 (H) x 680.4 (V)	
	Brightness (Typ.)	450 nits	450 nits	
	Contrast Ratio	4000:1	4000:1	
	Viewing Angle (H/V)	178° / 178°	178° / 178°	
	Response Time (G-to-G)	8ms	8ms	
	Display Colors	10bit Dithering - 1.07 Billion	10bit Dithering - 1.07 Billion	
Color Gamut	72%	72%		
Connectivity	Input	RGB	Analog D-SUB, DVI-D, DisplayPort 1.2	Analog D-SUB, DVI-D, DisplayPort 1.2
		Video	HDMI, Component (CVBS Common)	HDMI, Component (CVBS Common)
		Audio	Stereo Mini Jack	Stereo Mini Jack
	Output	RGB	DP1.2 (Loop-out)	DP1.2 (Loop-out)
		Audio	Stereo Mini Jack	Stereo Mini Jack
External Control	RS232C (in/out) thru Stereo Jack, RJ45	RS232C (in/out) thru Stereo Jack, RJ45		
Mechanical Spec	Dimension	Set	1,030.9mm x 585.4mm x 29.9mm	1,222.4mm x 693.2mm x 29.9mm
		Package	1,110mm x 688mm x 130mm	1,340mm x 800mm x 145mm
	Weight	Set	10 kg	13.3 kg
		Package	13 kg	17.8 kg
	VESA Mount	400 x 400mm	400 x 400mm	
	Stand Type	Foot Stand (Optional)	Foot Stand (Optional)	
Media Player Option Type	Embedded, SBB-C (Attachable)	Embedded, SBB-C (Attachable)		
Bezel-to-Bezel Width (mm)	11	11		



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UD Series						
Model		UD46D-P	UD55D	UDC-B	UD22B	
Panel	Diagonal Size	46"	55"	46", 55"	21.6"	
	Type	D-LED DID	D-LED DID	D-LED DID	S-PVA (DID)	
	Resolution	1920 x 1080	1920 x 1080	1920 x 1080	960 x 960 (1:1 Aspect Ratio)	
	Pixel Pitch (mm)	0.53 (H) x 0.53 (V)	0.63 (H) x 0.63 (V)	0.53 (H) x 0.53 (V), 0.63 x 0.63	0.13 (H) x 0.13 (V)	
	Active Display Area (mm)	1018.08 x 572.67	1209.6 x 680.4	1018.08 x 572.67, 1209.6 x 680.4	387.36 x 387.36	
	Brightness (Typ.)	Max 700 cd/m ²	Max 700 cd/m ²	450 cd/m ² , 500 cd/m ²	450 cd/m ²	
	Contrast Ratio	3500:1	3500:1	3500:1	4000:1	
	Viewing Angle (H/V)	178° / 178°	178° / 178°	178° / 178°	178° / 178°	
	Response Time (G-to-G)	8ms	8ms	6.5ms, 8ms	8ms	
	Display Colors	8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M	
Color Gamut	TBD	69%	68%, 72%	72%		
Connectivity	Input	RGB	Analog D-SUB, DVI-D, DisplayPort 1.2	Analog D-SUB, DVI-D, DisplayPort 1.2	Analog D-SUB, DVI-D	DVI-D, DisplayPort
		Video	HDMI1, HDMI2, Component (CVBS Common)	HDMI1, HDMI2, Component (CVBS Common)	HDMI1, HDMI2, Component, CVBS	HDMI
		Audio	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	N/A
	Output	RGB	DP1.2 (Loop-out)	DP1.2 (Loop-out)	DVI-D (Loop-out)	DVI-D (Loop-out)
		Audio	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack	Stereo Mini Jack
	External Control	RS232C (in/out), RJ45	RS232C (in/out), RJ45	RS232C (in/out), RJ45	RS232C (in/out), RJ45	
	External Sensor	Detachable Type (IR, Ambient)	Detachable Type (IR, Ambient)	Detachable Type (IR, Ambient)	Attached	
Mechanical Spec	Dimension	Set	1,022.1mm x 576.7mm x 97mm	1,213.5mm x 684.3mm x 96.6mm	1,023.7mm x 578.3mm x 95.5mm, 1,215.3mm x 686.1mm x 113.8mm	393.3mm x 393.3mm x 81.5mm
		Package	1,255mm x 798mm x 355mm	1,450mm x 903mm x 385mm	1,255mm x 798mm x 355mm, 1,440mm x 870mm x 375mm	473mm x 473mm x 187mm
	Weight	Set	18 kg	23.3 kg	18.2 kg, 24.3 kg	6.5 kg
		Package	22 kg	36.9 kg	31.2 kg, 35.1 kg	7.7 kg
	VESA Mount	600 x 400mm	600 x 400mm	600 x 400mm	300 x 300mm	
	Media Player Option Type	Embedded, SBB-C (Slide In)	Embedded, SBB-C (Slide In)	SBB-C (Slide In)	N/A	
Bezel-to-Bezel Width (mm)	3.5	3.5	5.5	5.5		

MagicInfo Software* Specifications

Model	MagicInfo Player S2		MagicInfo Player i
	No Network (Daisy Chain)	On Network	
Video	Max resolution: 1920x1080 @ 24/30, 1280x720 @ 24/30/60	Up to FHD resolution	Up to FHD resolution
Video Codec	Motion JPEG, H.264 BP/MP/HP, Divx 3.11/4/5/6, MPEG4 SP/ASP, Window Media Video v9(VC1), MVC, MPEG2, MPEG1, Microsoft MPEG-4 v1/v2/v3, H.263 Sorrenson, Window Media Video v7(WMV1, v8(WMV2), VP6, VP8, RV8/9/10(RV30/40)		Supports pre-installed codecs and all user-downloaded codecs. Best performance with MPEG2 and WMV
Image	JPEG (up to 15360 x 8640) PNG (up to 4096 x 4096) BMP (up to 4096 x 4096)	BMP, JPG, GIF, PNG, TGA, SIG (resolution dependent on memory availability)	JPEG, PNG, BMP (resolution dependent on system memory)
Camera Input	N/A		PC Screen, IP Camera, USB Camera (Capture Card)
Matrix Switcher	N/A		Yes (with Console PC)
Scroll Text	N/A	Yes	Yes
Scheduling	USB Auto Play	Yes	N/A
	Network	Yes	Yes
	Locally on device	Yes	N/A
	By Time/Day/Week	Yes	Yes
Multi Schedule	Yes	Yes	Yes
Remote Display Management	Yes		Yes
Max Video Wall Configuration	100 units	50 units	250 units
	Art Wall	N/A	270 degrees counter clockwise (ccw)

Set-Back-Box (SBB) Specifications

Model		SBB-C	SBB-D	
Media Player	CPU	AMD A4-3310M Dual-Core	AMD RX425, 2.5GHz Quad Core (SBB-DA) / Intel Core i5, 2.7GHz Dual Core, GT2 (SBB-DI)	
	N/B	Integrated		
	S/B	Hudson-M3	Bolton-E4 (SBB-DA) / QM87 (SBB-DI)	
	GPU	Radeon HD6480G (Integrated on APU)	AMD R6 Graphics (SBB-DA) / Intel HD4600 (SBB-DI) (Integrated on APU)	
	FDM/HDD/SSD	SSD 16/32GB	SSD 64/128GB	
	Memory	2GB/4GB (DDR3 SO-DIMM)	4GB (DDR3 SO-DIMM 2GB x 2)	
	Ethernet	Gb Ethernet (RJ-45)		
	Connectivity	USB	USB 2.0 Port x 2, USB 3.0 Port x 2	
		Output	1st: MagicInfo Out (DP Port, up to 1080p) 2nd: Display Port	1st: MagicInfo Out (DP Port, up to UHD) 2nd: Display Port
		Others	RJ-45, RS232 (D-SUB 9P)	RJ-45, RS232C
Operating System	Windows Embedded Standard 7 or 2009			
Power	Type	Internal		
	Power Supply	AC 100 - 240 V ~ (+/- 10%), 50/60 Hz		
Mechanical Spec	Set Dimension	321.6mm x 224.7mm x 40.3mm		
	Set Weight	1.8 kg		
Operation	Operating Temperature	10°C - 40°C		
	Humidity	10 - 80%		
Accessories	Included	EWF-Installa Guide, MagicInfo S/W CD, Power Cord, DP to DVI Cable (Short, Long), Warranty Card, Rubber, Screw		

Legal and additional information

About Samsung

Samsung Electronics Co., Ltd. is a global leader in technology, opening new possibilities for people everywhere. Through relentless innovation and discovery, we are transforming the worlds of TVs, smartphones, tablets, PCs, cameras, home appliances, printers, LTE systems, medical devices, semiconductors and LED solutions.

We employ 286,000 people across 80 countries with annual sales of US\$216.7 billion.

For more information

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