

Samsung Display Solutions

VIDEOWALL DISPLAY SOLUTIONS

THE NEW
BUSINESS
EXPERIENCE



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.

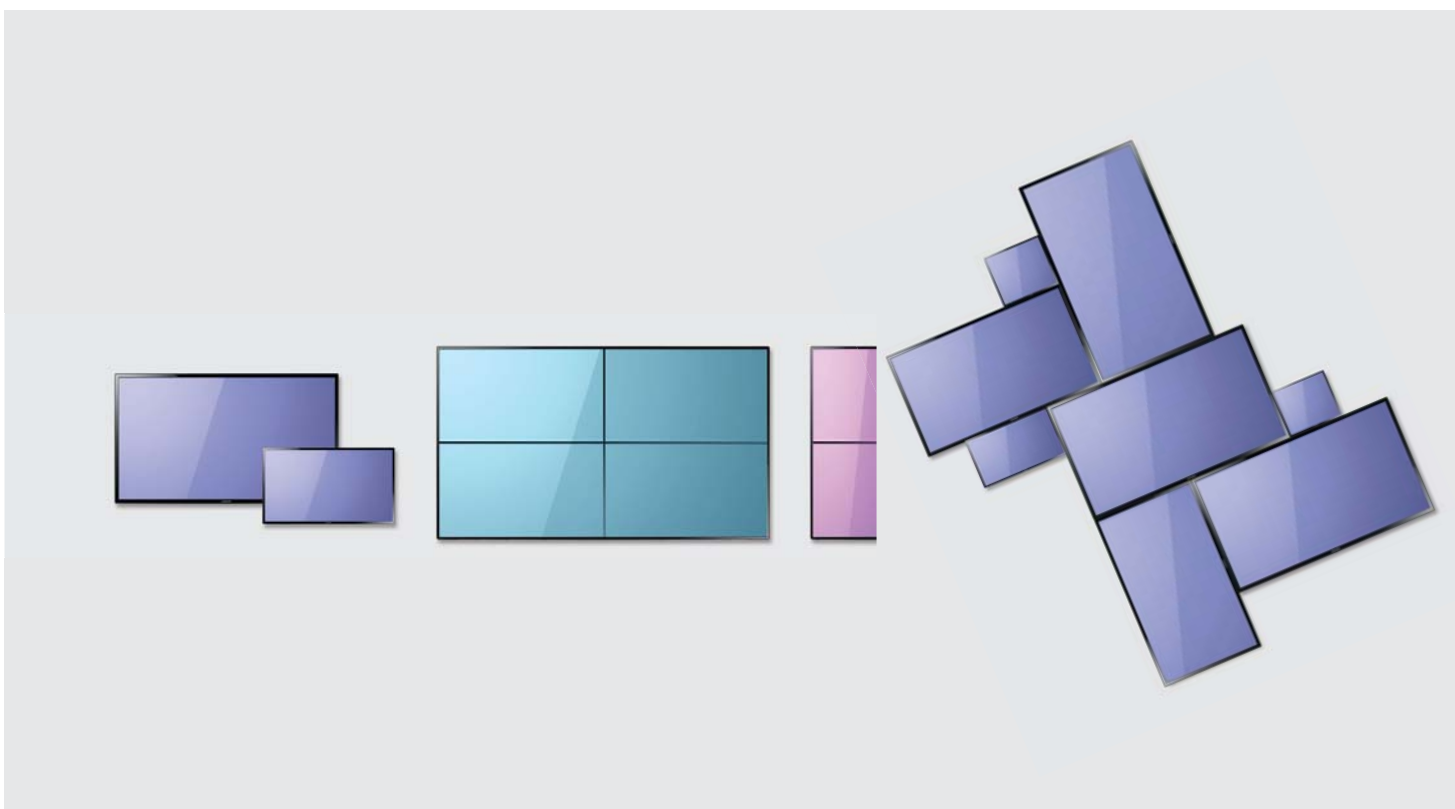
ENJOY COMPLETE DESIGN FREEDOM WITH THE WIDEST RANGE OF PANELS

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.

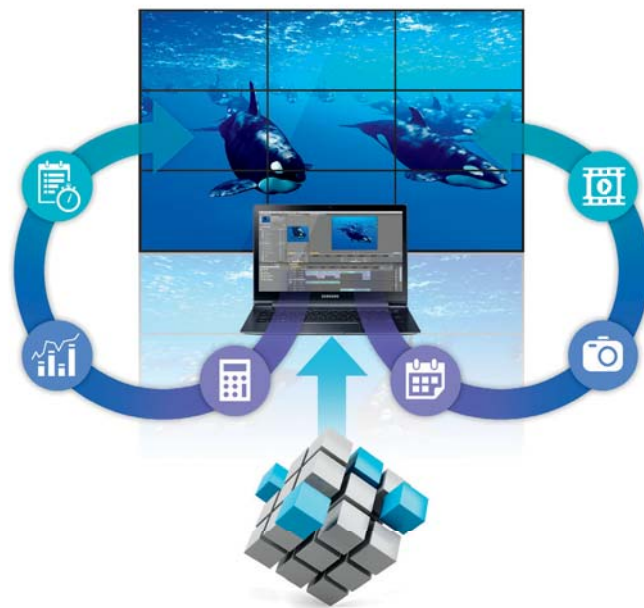
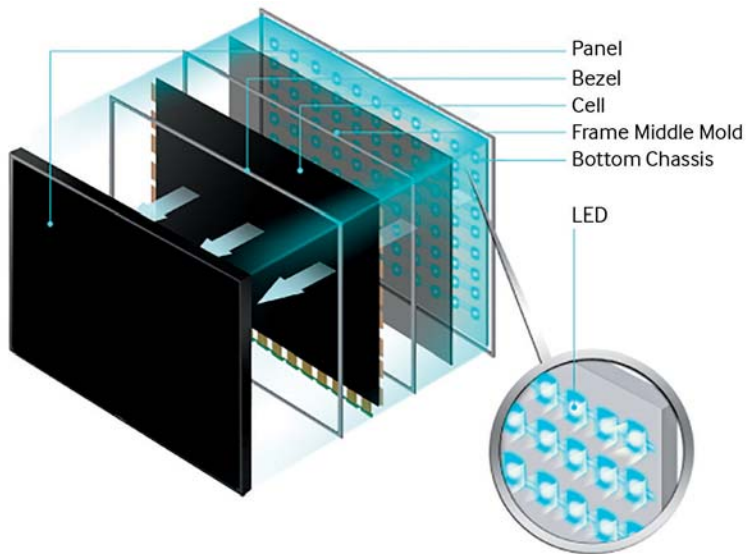


UDD	UDD-P	UDC-B	UED	UD22B
Ultra narrow bezels with advanced color management	Ultra narrow bezels with optimized picture quality	Virtually seamless displays that won't break your budget	Affordable displays with advanced color management	Unique 1:1 aspect ratio displays for unique and artistic designs
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	Extended business hours	Extended business hours	Business hours	Extended business hours

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.



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.

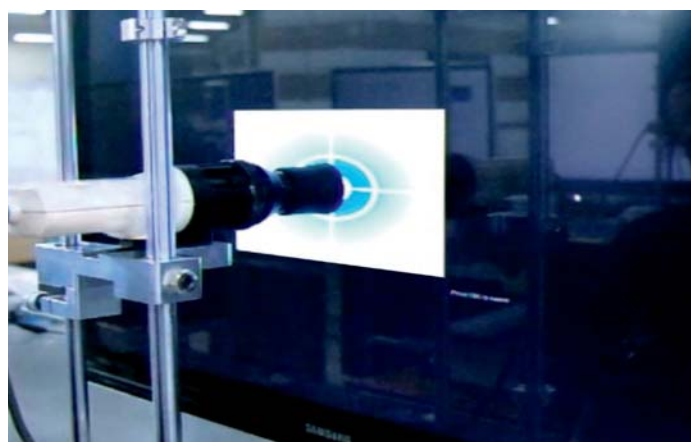


Ultra-Narrow Bezels Maximize Visuals

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 minimizes post-installation tuning across the videowall. Select displays also include Color Expert features to adjust colors across the videowall.

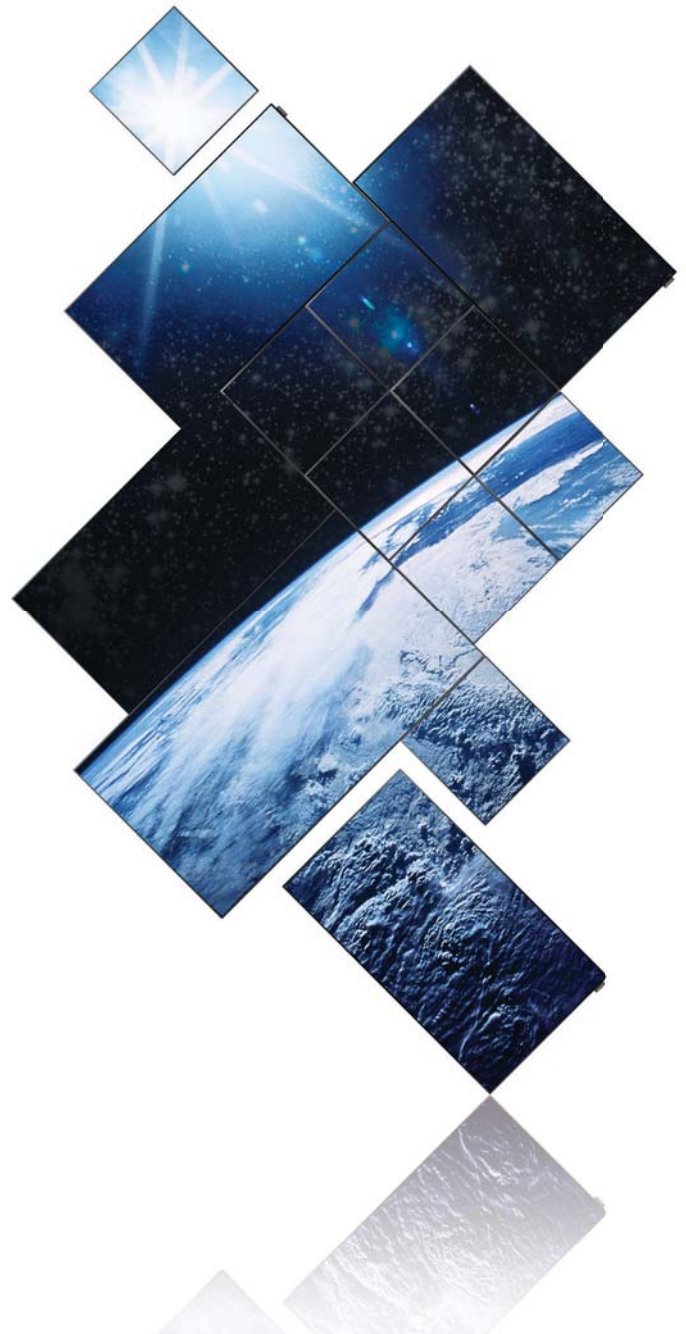
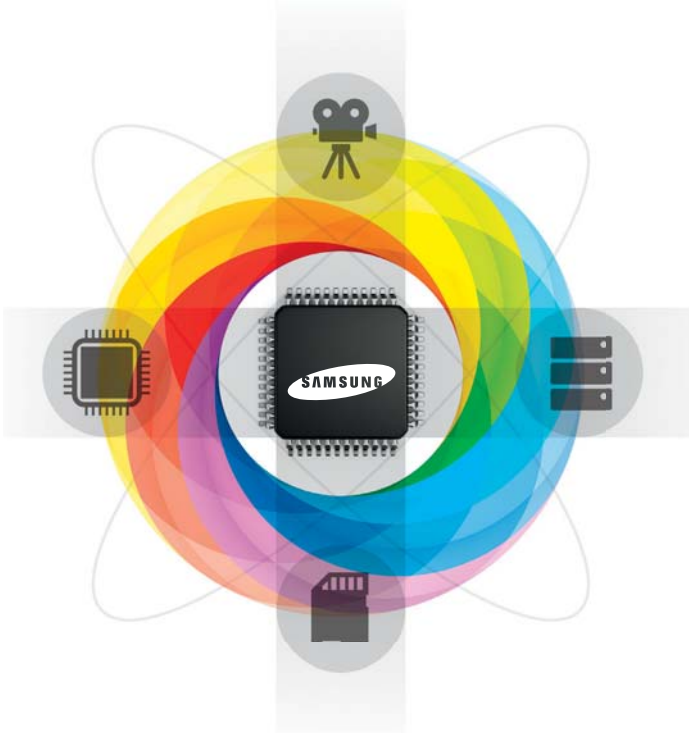
LOWER UPFRONT OPERATING COSTS

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.

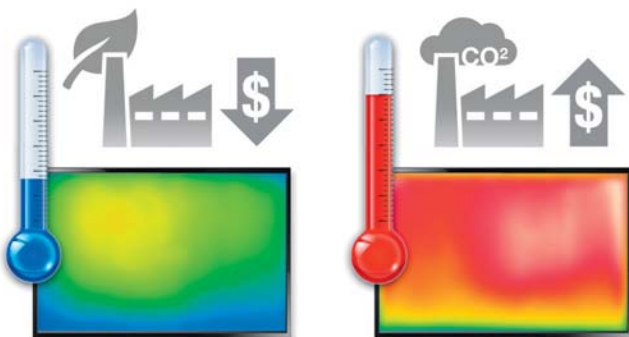
Rely on Samsung Quality and Reliability

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.



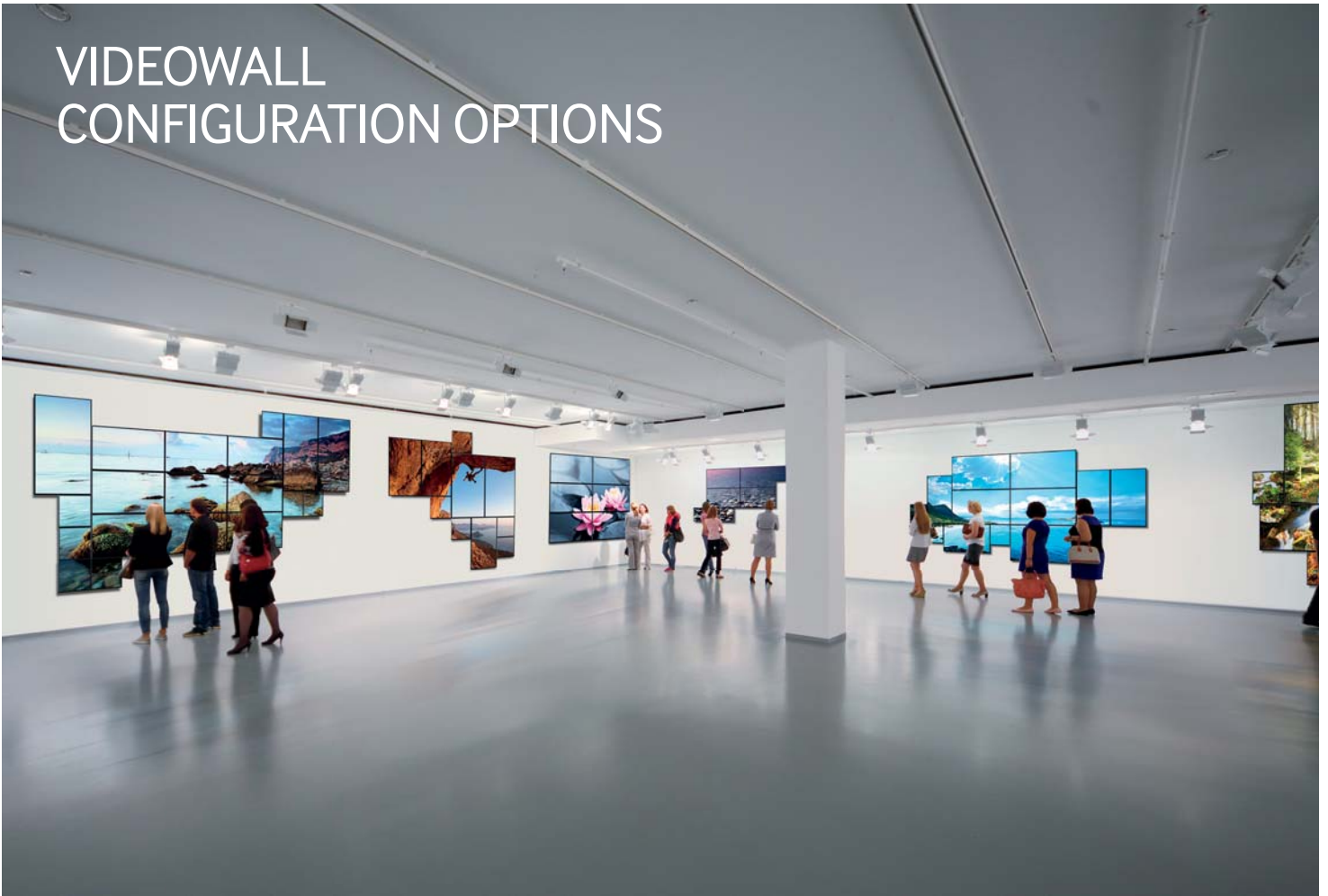
Reduce Electricity Costs

Samsung videowall displays use advanced LED technology, which reduces electricity consumption compared to CCFL-based panels. The panels also run cooler, so air conditioning costs are lower.



Samsung Display Conventional Display

VIDEOWALL CONFIGURATION OPTIONS

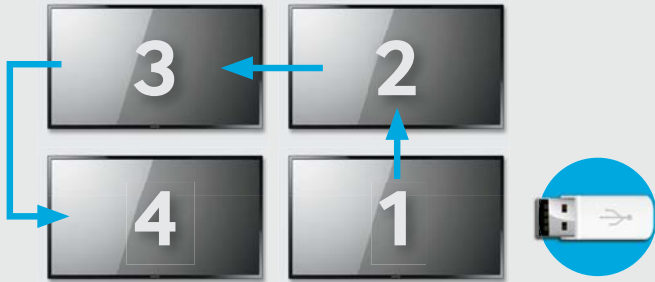


Depending on the desired functionality, Samsung offers three different deployment options:

	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)
Technology		Remote monitor management	Remote monitor management
			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

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.

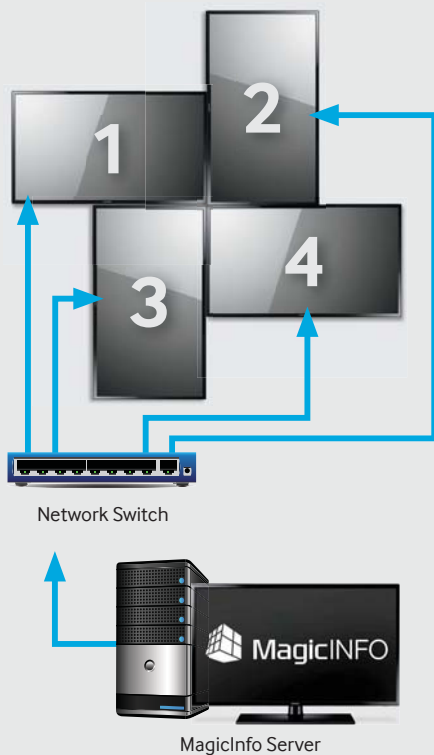


Note: UD46C and UD55D with 1st generation SSSP require external video source.

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. So hardware, wiring and installation costs are significantly minimized.

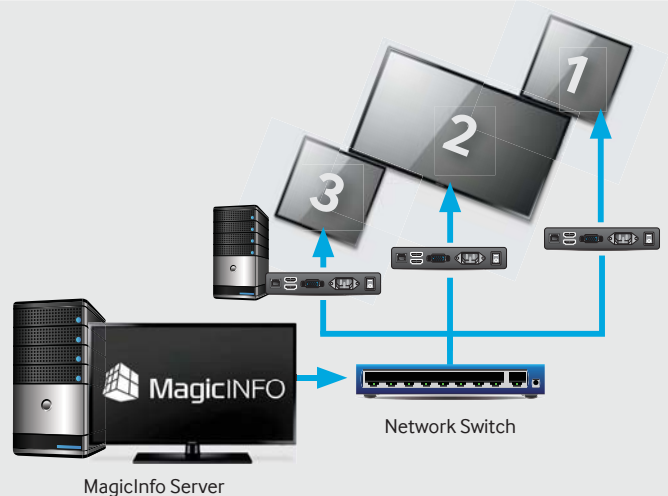
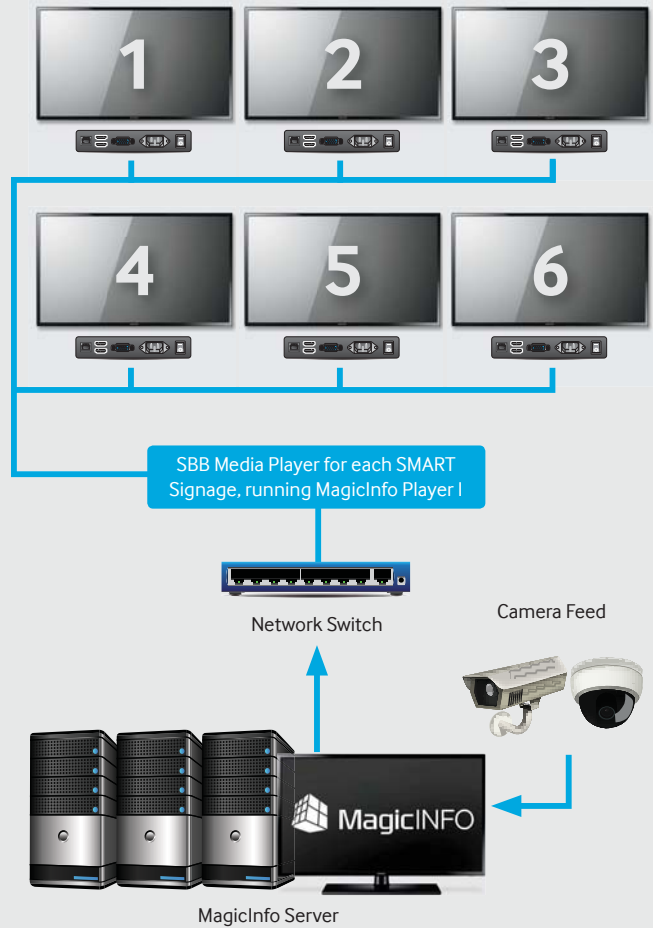
MagicInfo Server is a network-based solution, so it does require a Gigabit Ethernet LAN network with a switch. It has many additional features for including asymmetric configurations, schedule-based playback and mixed panel sizes/aspect ratios.



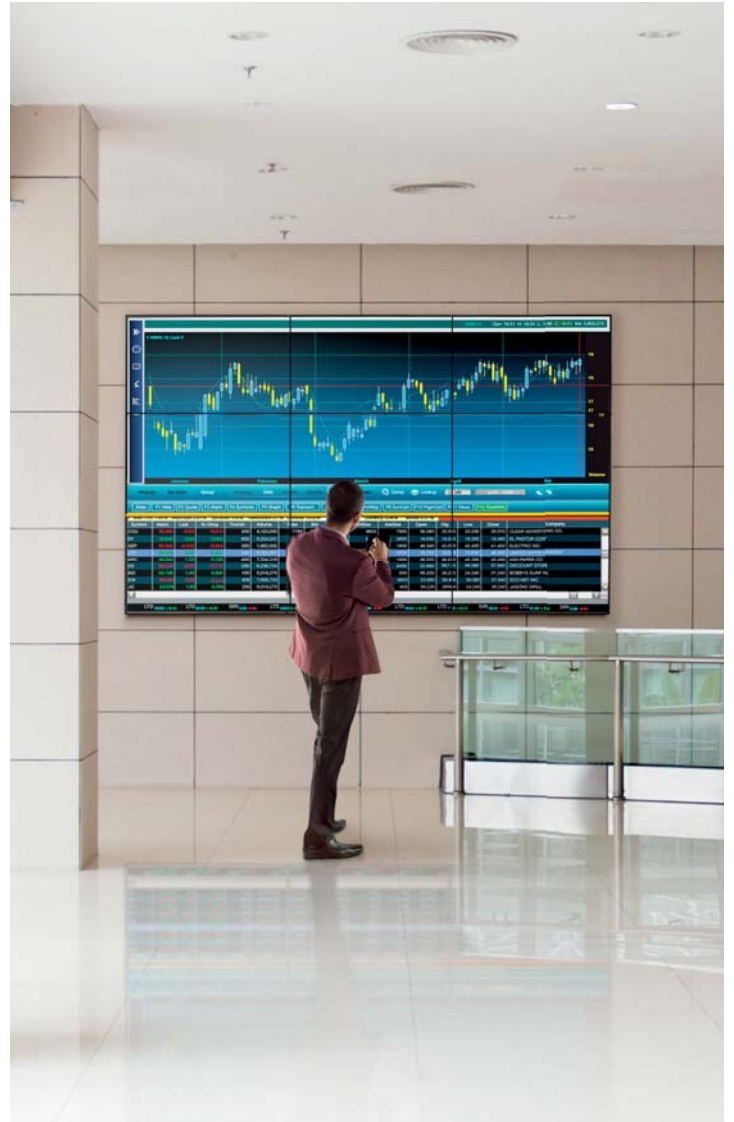
Note: UD46C and UD55D with 1st generation SSSP require dedicated PC to run Video Wall Console.

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.

Engage Viewers in Public Spaces

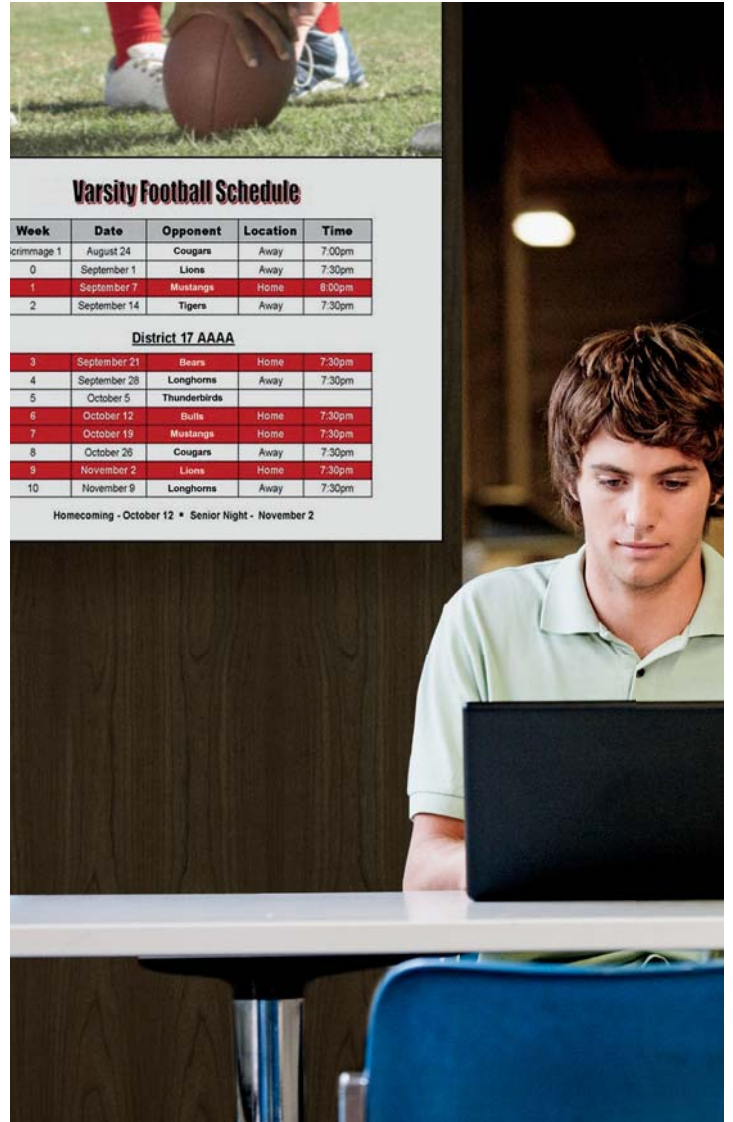
Public spaces require large videowalls to break through the clutter and visual noise. Whether it's a busy airport terminal or an elite art gallery, Samsung videowalls render bright, bold images that can be displayed in a variety of sizes and shapes. For public spaces that need always-on videowalls, the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

Ideal For:

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

Ideal For:

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



Varsity Football Schedule

Week	Date	Opponent	Location	Time
scrimmage 1	August 24	Cougars	Away	7:00pm
0	September 1	Lions	Away	7:30pm
1	September 7	Mustangs	Home	6:00pm
2	September 14	Tigers	Away	7:30pm
District 17 AAAA				
3	September 21	Bears	Home	7:30pm
4	September 28	Longhorns	Away	7:30pm
5	October 5	Thunderbirds		
6	October 12	Bulls	Home	7:30pm
7	October 19	Mustangs	Home	7:30pm
8	October 26	Cougars	Away	7:30pm
9	November 2	Lions	Home	7:30pm
10	November 9	Longhorns	Away	7:30pm

Homecoming - October 12 • Senior Night - November 2

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

Connect with Students and Alumni

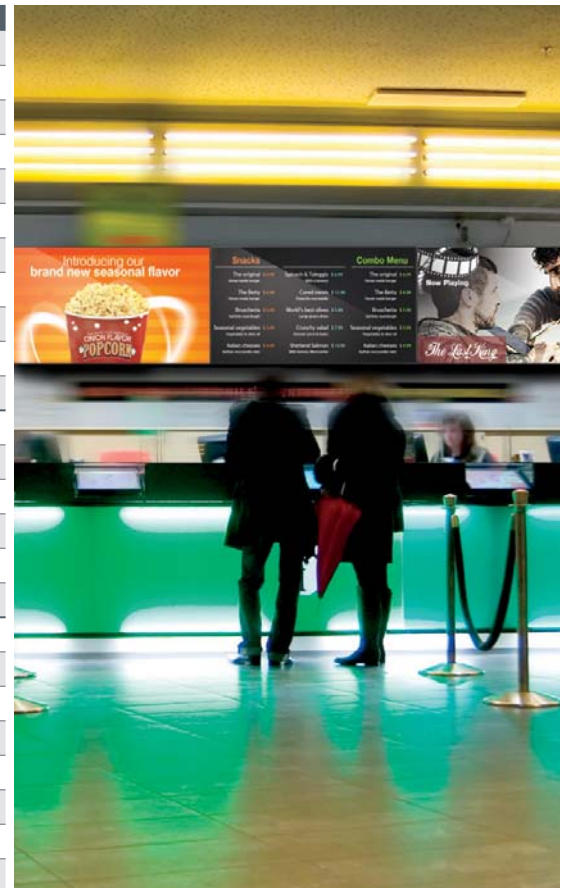
Samsung videowalls can support outreach efforts when visitors, alumni and benefactors are on campus for sporting events, reunions and meetings. The videowalls can be used to tastefully message university achievements like distinguished faculty awards, student achievements and athletic performance. Samsung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



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	



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		DVI-D, DisplayPort	
		Video	HDMI1, HDMI2, Component (CVBS Common)		HDMI	
		Audio	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	
	External Control	RS232C (in/out), RJ45		RS232C (in/out), RJ45	RS232C (in/out), RJ45	
	External Sensor	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
	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
	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	
Content	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(RV3D/4D)		Supports pre-installed codecs and all user-downloaded codecs. Best performance with MPEG2 and WMV
	Image	JPEG (up to 15360x8640) PNG (up to 4096x4096) BMP (up to 4096x4096)	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		
Remote Display Management	Yes	Yes		
Max Video Wall Configuration	100 units	50 units	250 units	
Art Wall	N/A	270 degrees counter clockwise (ccw)	Any Angle	

Set Back Box 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)	
	I/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	Windows Embedded Standard 7 or Professional		
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

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

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