



Samsung Commercial Displays

# 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.



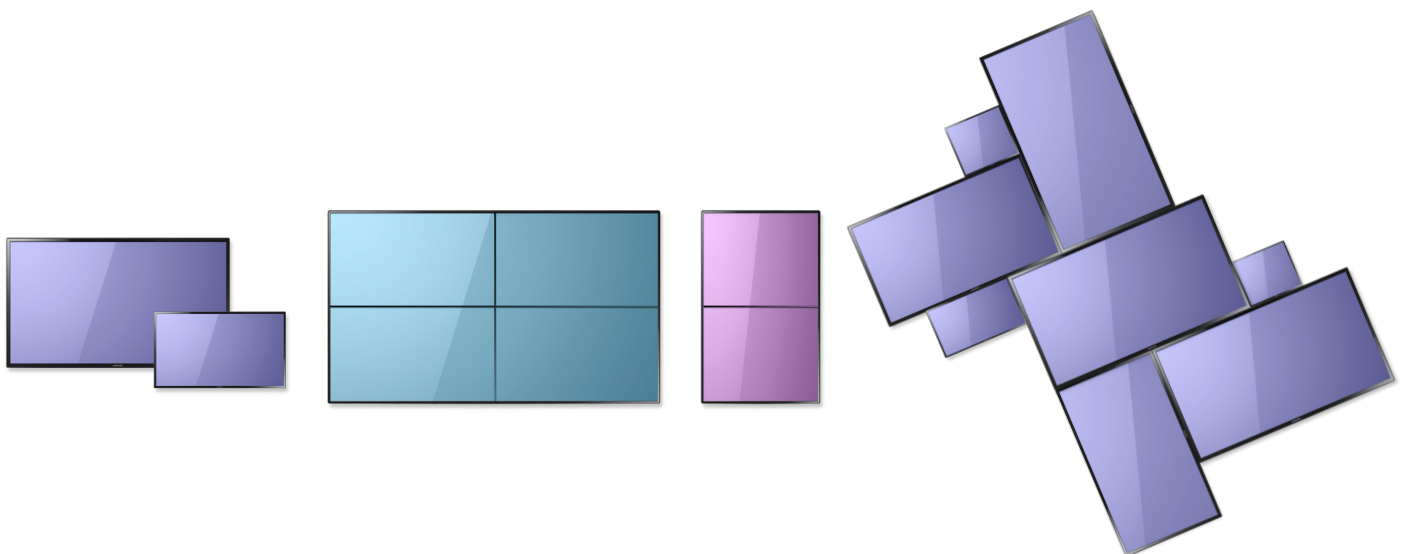
# ENJOY COMPLETE DESIGN FREEDOM WITH THE WIDEST RANGE OF PANELS

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 UDC, UDC-B and UEC 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.

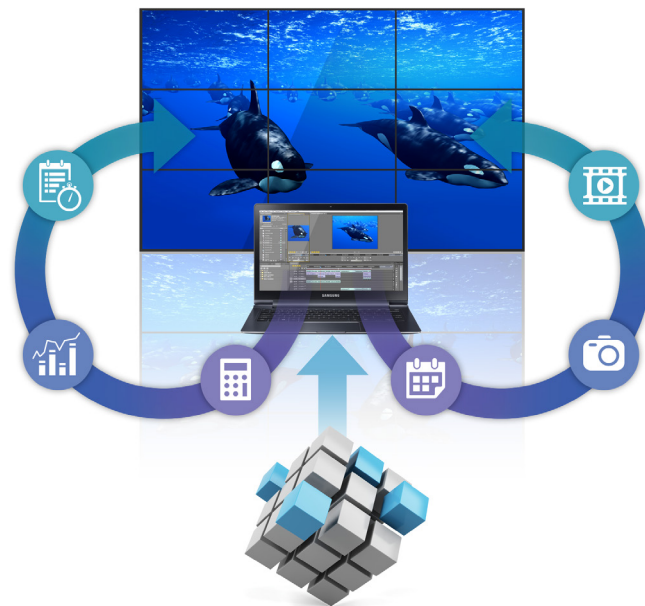
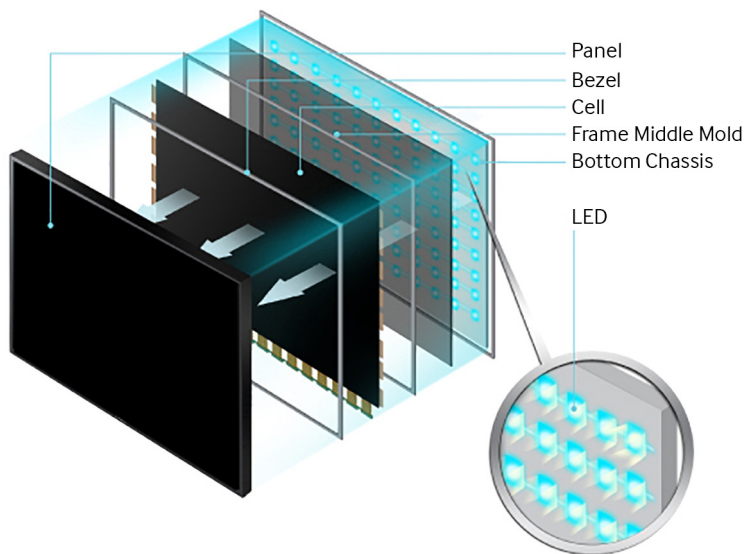


UDC	UDC-B	UEC	UD22B
Virtually seamless bezels with advanced color management	Virtually seamless displays that won't break your budget	Affordable displays with advanced color management	Unique 1:1 aspect ratio displays for unique and artistic designs
46" and 55"	46"	46" and 55"	21.6"
16:9 aspect ratio	16:9 aspect ratio	16:9 aspect ratio	1:1 aspect ratio
700 nit brightness	450 nit brightness	500 nit brightness	450 nit brightness
24/7 operation	24/7 operation		24/7 operation

The six models 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 VideoWall 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.

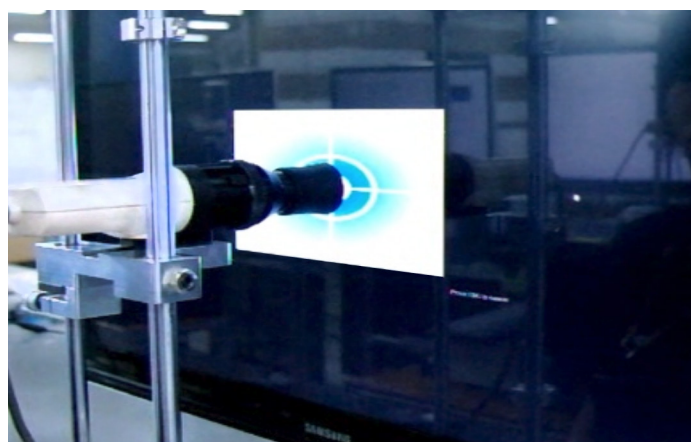
## MagicInfo VideoWall Software for Dynamic Content

The optional MagicInfo VideoWall 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.



## 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 UDC and UDC-B models have a bezel-to-bezel width of just 0.22 inches (5.5 mm), while the UEC models have a narrow bezel width of 0.43 inches (11 mm).



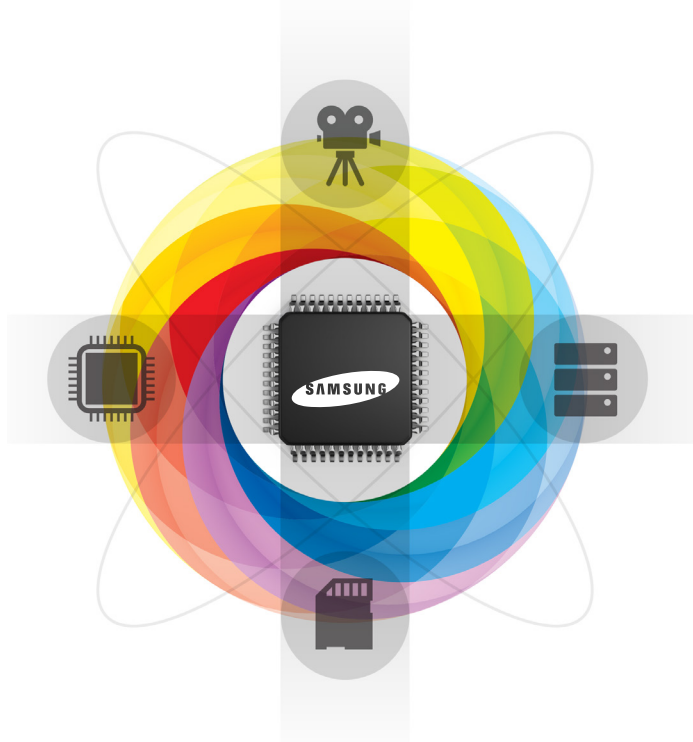
## Advanced Color Management Ensures Color Uniformity

Select Samsung videowall displays have Advanced Color Management (ACM) features to adjust color levels across the videowall. In addition, all Samsung displays are color calibrated at the factory to save the time and effort of managing color uniformity and white balance during installation.

# LOWER UPFRONT OPERATING COSTS

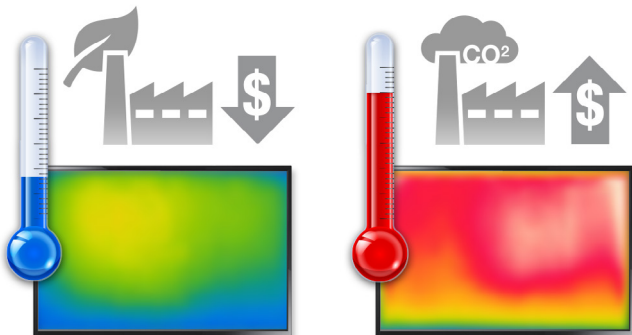
## Lower Upfront Costs

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 UDC and UEC Series have on-board processors and storage for basic playback without the need to attach a separate PC or media player.



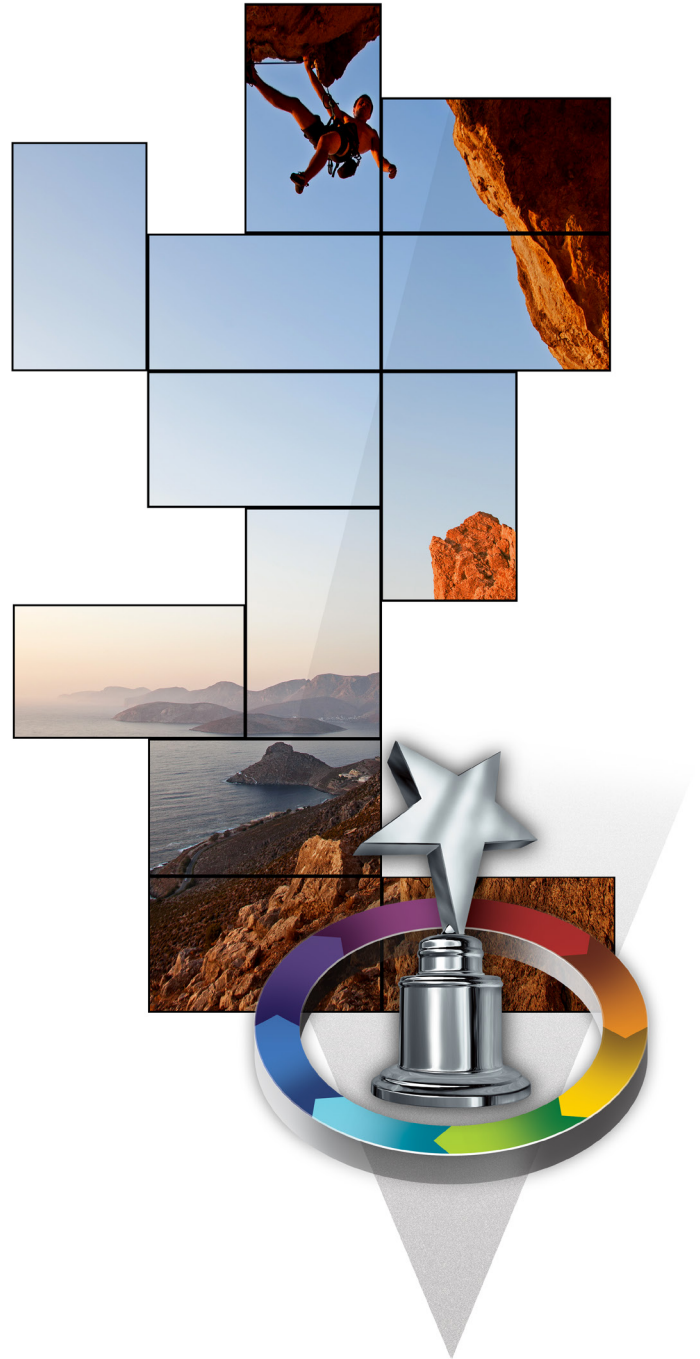
## Reduce Electricity Costs

Samsung videowall displays use advanced LED technology, which reduces electricity consumption by up to 40% compared to CCFL-based panels. The panels also run cooler, so air conditioning costs are lower.



Samsung Display

Conventional Display

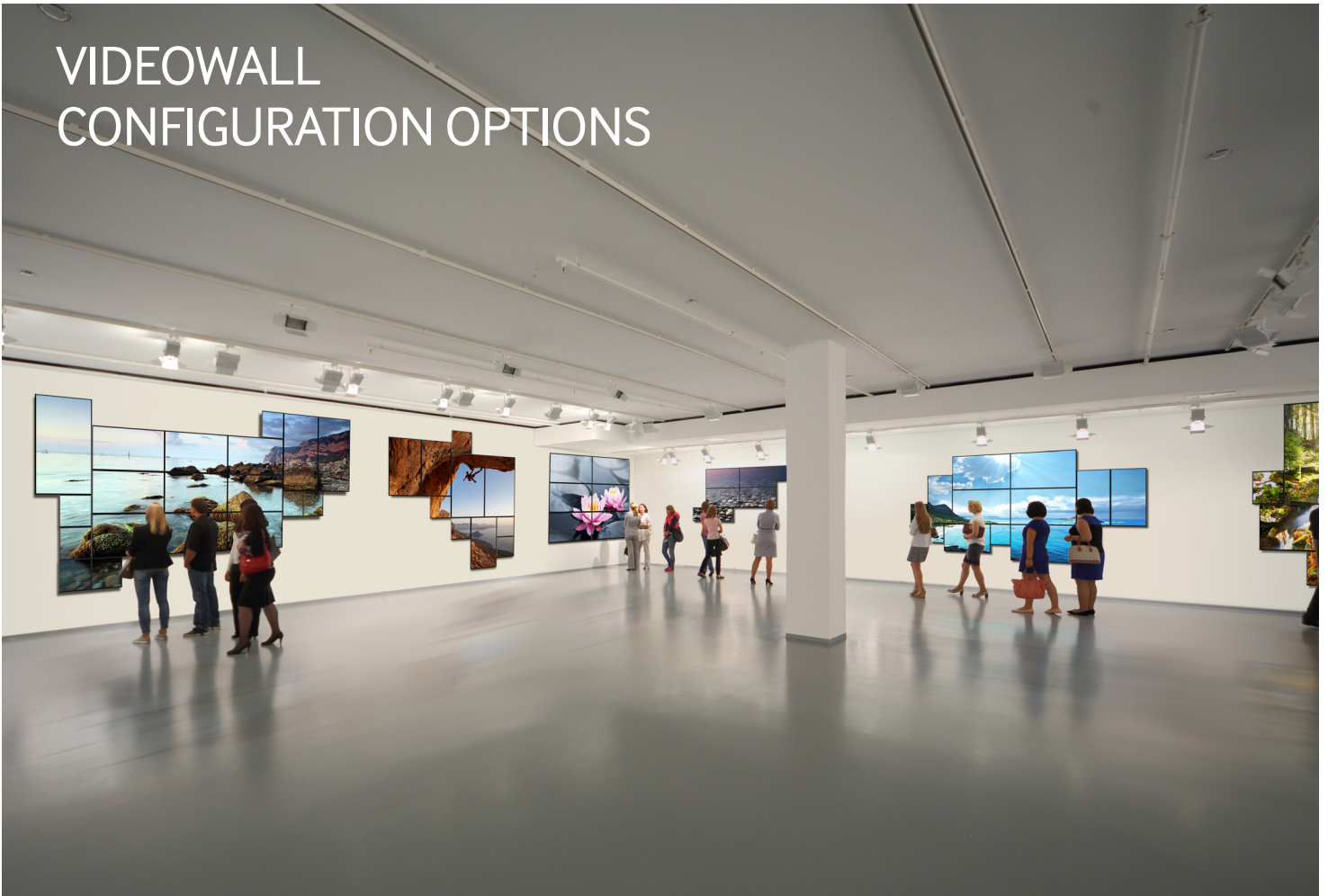


## Rely on Samsung Quality and Reliability

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.



# VIDEOWALL CONFIGURATION OPTIONS

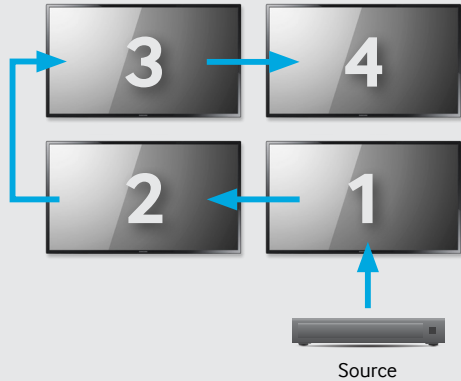


Depending on the desired functionality, Samsung offers three different deployment options:

	Basic	Intermediate	Advanced
	Simple playback without scheduling	Various content playback with scheduling	Various content, IP camera, and multi-PC playback with scheduling
Max Displays	Up to 100	Up to 16	Up to 250
Displays Supported	UEC and UDC Series	UEC, UDC and UD22B Series	UEC and UDC Series
Functions	Linear only (2x2, 3x3)	Linear and asymmetric	Linear and asymmetric
	No scheduling	Scheduled play	Scheduled and live play
	16:9 aspect ratio	Multiple aspect ratios	Multiple aspect ratios
	1920 x 1080 across entire wall	Full HD on every screen	Full HD on every screen
	Display single source only	Display multiple sources	Display multiple sources
	4k Videowall on 2x2 configuration	Display images across single or multiple screens	Display images across single or multiple screens
		HDCP support	HDCP support
		Image rotation	Image rotation
		Art wall (parallel/vertical)	Art wall (any angle)
Technology	On-board processors and storage (included)	MagicInfo VideoWall - S	MagicInfo VideoWall - I
	DisplayPort (included)	Network switch/LAN/Gb Ethernet	PC running MagicInfo VideoWall - I Set Back Box (SBB) for each display
			Network switch/LAN/Gb Ethernet

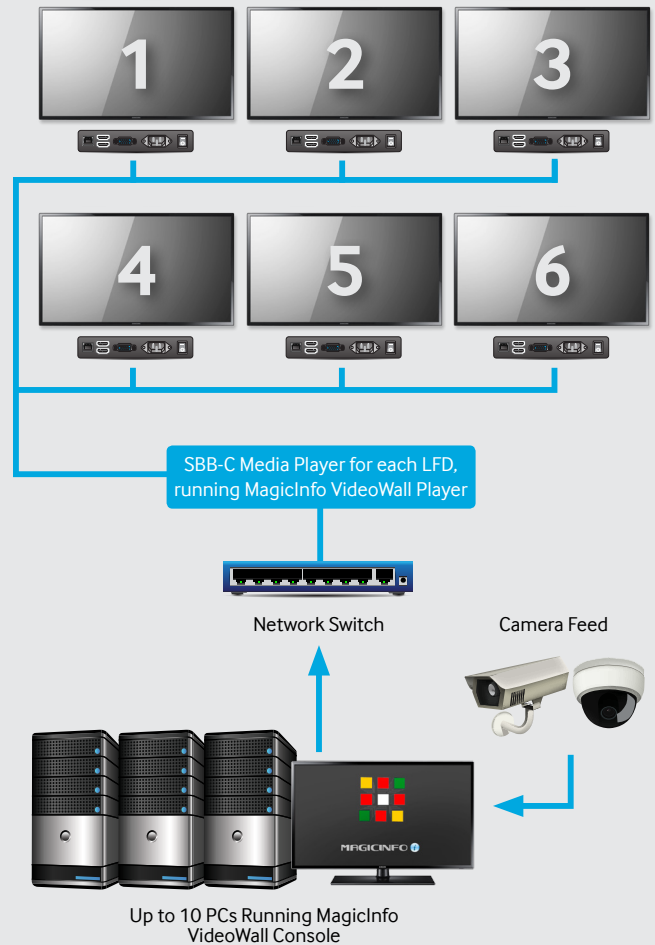
### Basic Content Playback Using On-Board Processors and Storage

For basic video playback, simply use the on-board processors and storage in the UEC and UDC Series to daisy chain up to 100 displays. These displays use DisplayPort connectors to daisy chain the video loop from one source panel. It is a cost-effective solution for deployments that may not need complex features.



### Live Streaming and Large-Scale Deployments with MagicInfo VideoWall - I Software

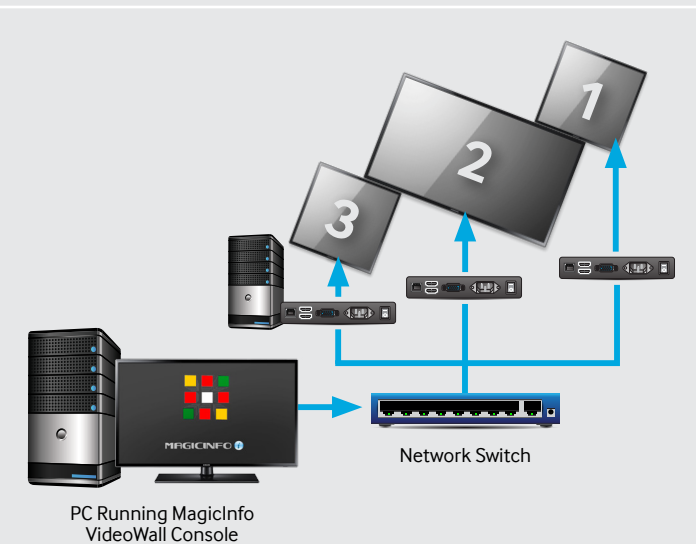
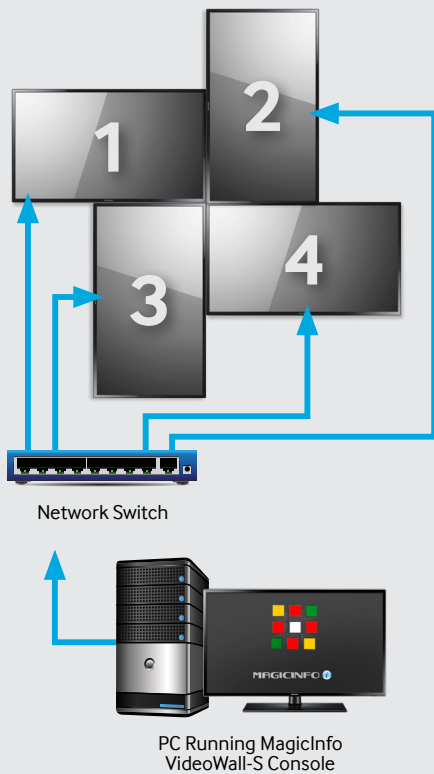
For deployments with more than 16 panels or additional functionality, the MagicInfo VideoWall - I software and associated hardware is ideal. The VideoWall - I software enables live camera feeds and controls up to 250 displays. This option is ideal for large videowalls, conference rooms and control rooms where the ability to display PC and camera feeds may be required, in addition to providing flexibility of rotating or overlapping your screens.



### Semi-Complex Deployments with MagicInfo VideoWall - S Software

For more robust deployments, the MagicInfo VideoWall - S software and a single PC or notebook can drive up to 16 displays. Unlike competitor videowall systems, this option does not require a separate media player for each display. So hardware, wiring and installation costs are significantly minimized.

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



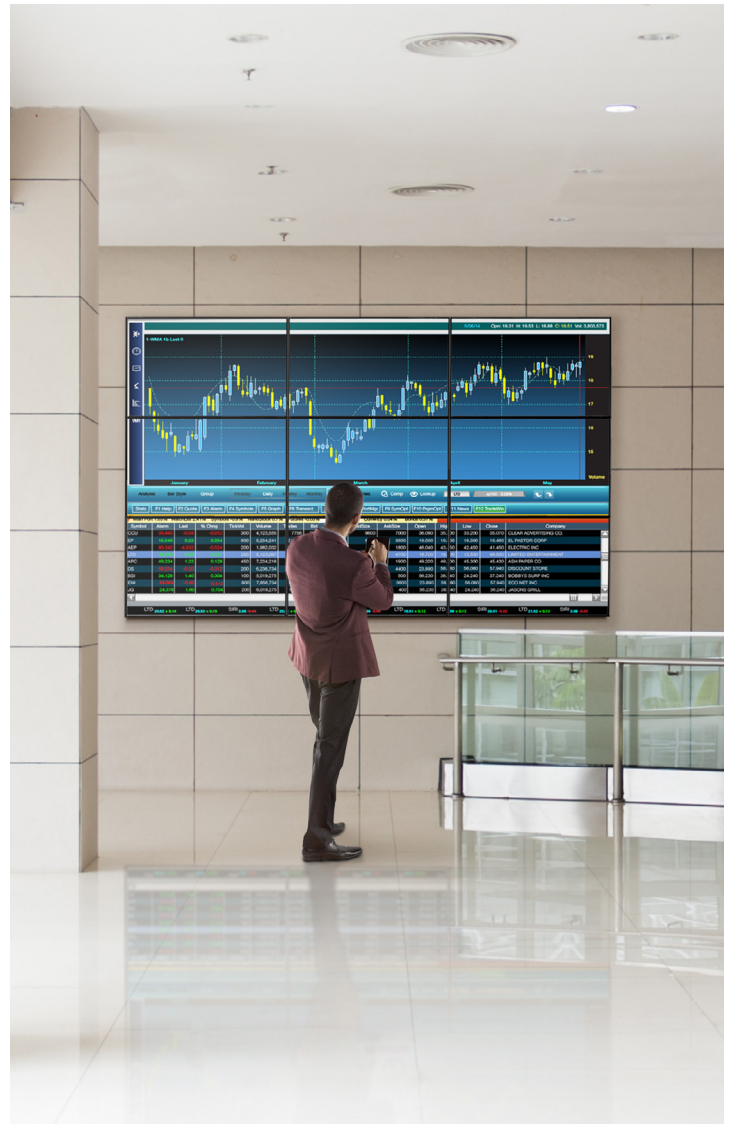


### Impress Visitors at Your Business Facility

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 VideoWall - 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



### 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 UDC, UDC-B 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

### 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:

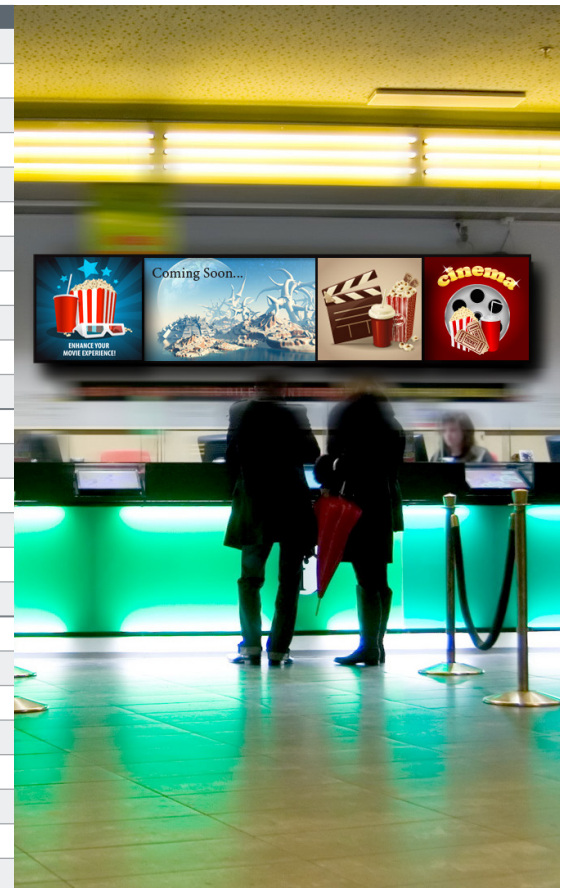
- Stadiums and Arenas
- Alumni Centers
- Building Entrances
- High-Profile Areas
- Student Unions and Common Areas
- College Museums and Performing Arts Centers





## Videowall Panel Specifications

Model		UE46C	UE55C	
Panel	Diagonal Size	46"	55"	
	Type	240Hz e-LED BLU	240Hz 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.)	500 nits	500 nits	
	Contrast Ratio	5000:1	5000:1	
	Viewing Angle (H/V)	178° / 178°	178° / 178°	
	Response Time (G-to-G)	4ms	4ms	
	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	HDMI1, HDMI2, Component (CVBS Common)	HDMI1, HDMI2, 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	40.6" x 23" x 1.18"	48.1" x 27.3" x 1.18"
		Package	46.1" x 27.8" x 7.8"	53.7" x 33.4" x 7.8"
	Weight	Set	25.6 lbs.	34 lbs.
		Package	34.1 lbs.	45.4 lbs.
	VESA Mount		400 x 400mm	400 x 400mm
	Stand Type		Foot Stand (Optional)	Foot Stand (Optional)
	Media Player Option Type		Embedded, Optional Accessories, SBB-C, SBB-CD7, SBB-CQ7	Embedded, Optional Accessories, SBB-C, SBB-CD7, SBB-CQ7
Bezel Width (mm)		5.5	5.5	



# UD Series

Model	UD46C		UD55C		UD46C-B		UD22B			
Panel	Diagonal Size	46"		55"		46"		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)	0.53025 (H) x 0.53025 (V)		0.63 (H) x 0.63 (V)		0.53025 (H) x 0.53025 (V)		0.1345 (H) x 0.1345 (V)		
	Active Display Area (mm)	1018.08 x 572.67		1209.6 x 680.4		1018.08 x 572.67		387.36 x 387.36		
	Brightness (Typ.)	Max 700 cd/m <sup>2</sup>		Max 700 cd/m <sup>2</sup>		450 cd/m <sup>2</sup>		450 cd/m <sup>2</sup>		
	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		
	Display Colors	8 bit - 16.7M		8 bit - 16.7M		8 bit - 16.7M		8 bit - 16.7M		
Color Gamut	69%		69%		68%		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	40.3" x 22.8" x 3.8"		47.8" x 27" x 3.8"		40.3" x 22.8" x 3.8"		15.5" x 15.5" x 3.2"	
		Package	49.4" x 31.4" x 14"		57.1" x 35.6" x 15.2"		49.4" x 31.4" x 14"		18.6" x 18.6" x 7.4"	
	Weight	Set	40 lbs.		52.8 lbs.		40 lbs.		14.3 lbs.	
		Package	77 lbs.		91.5 lbs.		68.6 lbs.		16.9 lbs.	
	VESA Mount	600 x 400mm		600 x 400mm		600 x 400mm		300 x 300mm		
	Media Player Option Type	Embedded, Optional Accessories, SBB-C, SBB-C07, SBB-C07 (Slide In)		Embedded, Optional Accessories, SBB-C, SBB-C07, SBB-C07 (Slide In)		Embedded, Optional Accessories, SBB-C, SBB-C07, SBB-C07 (Slide In)		Embedded, Optional Accessories, SBB-A, SBB-AD7, SBB-A07 (Slide In)		
Bezel Width (mm)	3.5 (L/L), 1.8 (R/B)		3.7 (L/L), 1.8 (R/B)		3.7 (L/L), 2.0 (R/B)		3.7 (L/L), 1.8 (R/B)			

## MagiInfo VideoWall Software Specifications

Model	MagiInfo VideoWall I Player	MagiInfo VideoWall S Player	
Content	Video	Yes	Yes
	Image	Yes	Yes
	Art Wall	Portrait, Landscape	Portrait, Landscape
	Camera	IP Camera, USB Camera (Capture Card)	N/A
	Stream Content	RIP (MPEG2-Ts)	N/A
	Matrix Switcher	Yes	N/A
	PC Screen	Full or Part of the Screen	N/A
	Scroll Text	Yes	Yes
Layout	Content Layout	Change and Apply	N/A
	H-Scanning Frequency	Zoom In and Out, Fade In and Out	N/A
	V-Scanning Frequency	Edit and Shift Scene	N/A
	Display Layout	Free Type	Free Type
Control	Remote Control	Power On and Off, Display Control	Power On and Off, Display Control
		Remote Update, System Monitoring	Remote Update, System Monitoring
	Job Schedule Virtual Network Computing (VNC)	Job Schedule (System Control Only)	
Content Schedule	Schedule and Reservation	Schedule and Reservation	
Network	Max 250 Per Console	Max 16 Per Console	
Codec	Video	Mpeg 1, 2	
		Mp4 SP, ASP	
		DIVX 3.11, 4.x, 5.x, 6.x	
		H.264 BP, MP, HP	
		MJPEG	
		WMV9	
VP6			
MVC			

## Set Back Box Specifications

Model	SBB-C	SBB-C07	SBB-C07		
Media Player	CPU	AMD A4-3310M Dual-Core	AMD A4-3310M Dual-Core	AMD A8-3510M Quad-Core	
	N/B	Integrated	Integrated	Integrated	
	S/B	Hudson-M3	Hudson-M3	Hudson-M3	
	GPU	Radeon HD6480G (Integrated on APU)	Radeon HD6480G (Integrated on APU)	Radeon HD6620G (Integrated on APU)	
	FDM/HDD/SSD	SSD 16GB	SSD 32GB	SSD 32GB	
	Memory	2GB (DDR3 SO-DIMM 2GB x 1)	2GB (DDR3 SO-DIMM 2GB x 1)	4GB (DDR3 SO-DIMM 2GB x 2)	
	Ethernet	Gb Ethernet (RJ-45)	Gb Ethernet (RJ-45)	Gb Ethernet (RJ-45)	
	Connectivity	USB	USB 2.0 Port x 2, USB 3.0 Port x 2	USB 2.0 Port x 2, USB 3.0 Port x 2	USB 2.0 Port x 2, USB 3.0 Port x 2
		Output	1st: MagiInfo Out (DP Port, up to 1080p) 2nd: DisplayPort	1st: MagiInfo Out (DP Port, up to 1080p) 2nd: DisplayPort	1st: MagiInfo Out (DP Port, up to 1080p) 2nd: DisplayPort
		Others	RJ-45, RS232 (D-SUB 9P)	RJ-45, RS232 (D-SUB 9P)	RJ-45, RS232 (D-SUB 9P)
Operating System	Windows Embedded Standard 2009	Windows Embedded Standard 7	Windows Embedded Standard 7		
Power	Type	Internal	Internal	Internal	
	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	
	Power Consumption	70W (Max)	70W (Max)	70W (Max)	
Mechanical Spec	Dimension	Set	12.2" x 8.6" x 1.26"	12.2" x 8.6" x 1.26"	12.2" x 8.6" x 1.26"
		Weight	Set	3.9 lbs.	3.9 lbs.
	Package	5.5 lbs.	5.5 lbs.	5.5 lbs.	
Operation	Operating Temperature	10°C~40°C	10°C~40°C	10°C~40°C	
	Humidity	10~80%	10~80%	10~80%	
Accessories	Included	User Manual, Power Cord, DP to DVI Cable (Short, Long)	User Manual, Power Cord, DP to DVI Cable (Short, Long)	User Manual, Power Cord, DP to DVI Cable (Short, Long)	



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