SAMSUNG UDE-A/B/C Series UHD VIDEO WALL DISPLAYS

Discover elevated customer engagement through
the high-impact resolution of seamless UHD Video Walls

Highlights

- The industry's first UHD Video Wall without a need for any additional devices, which allows you to maximize convenience while minimizing expense through having your displays efficiently daisy-chained together.

- Realize near-perfect picture quality and optimum uniformity across all displays thanks to advanced factory tuning and calibration.

- Adapt to any situation and through a diverse line-up featuring an All-in-one solution that offers further flexibility and convenience, while an ultra-thin bezel width and brightness allow for maximum visual impact..

- Have your content displayed 24/7 with a product that has a trusted lifespan backed by industry-leading R&D.

SAMSUNG
B U S I N E S S

REALIZE OPTIMUM LEVELS OF ROI WHILE REDUCING UPFRONT INVESTMENT COSTS, THROUGH LEVERAGING THE INDUSTRY'S FIRST UHD VIDEO WALL SOLUTION

Viewer expectations continue to rise in stride with how technology is able to take LCD displays to new heights. With cinematic experiences now setting the bar high with 4K, the world outside of the theater must meet those visual expectations and allow for viewer engagement to become much more alluring and immersive.

Upon launching the industry's first UHD Video Wall, Samsung effectively changed the game by offering innovation and cost-efficiency through being able to daisy-chain your entire video wall configuration while forgoing the need to buy additional equipment.

● **UHD is meeting the visual content needs of the future.** Delivering beautiful images that are 4 times more vivid than a traditional FHD screen, UHD is the solution for anyone seeking optimized contrast, vibrant colors and photographic detail, while ensuring immersive depth that can achieve visually immersive experiences.

● **Immersive viewing and engagement experiences.** The higher pixel density enables viewers to watch displays from a close distance without the grid-like structure of the image becoming noticeable, allowing for a much more enriching viewing experience and greater interaction with any form of visual content that marketers are seeking to project.
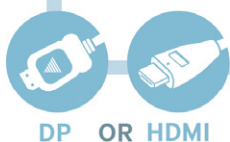
THE INDUSTRY'S FIRST UHD VIDEO WALL SOLUTION WITH A FOCUS ON MAXIMIZED ROI AND LOWERED UPFRONT INVESTMENT COSTS

Samsung has led the field once again by being the first in the industry able to implement up to 5x5 wall configurations based on daisy chain through the use of DisplayPort (DP) 1.2. As existing PC-based video walls require high performance graphic cards, UHD splitters and are limited to 2x2 display arrangements, Samsung UHD Video Walls can eliminate those needs and greatly reduce costs. Through supporting the latest version of the premier digital video interface of DisplayPort, your content becomes elevated with resolutions that range up to 4k. This efficient arrangement helps to increase efficiency while reducing costs by negating the need to buy extra equipment.
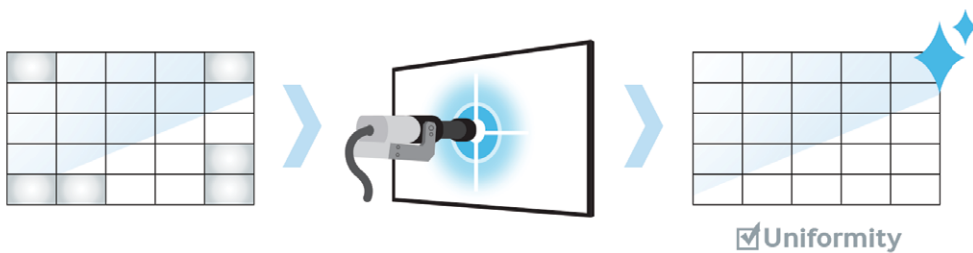

5 X 5 4K ULTRA HD

1080P FULL HD

Daisy Chain

DP   OR   HDMI

NO NEED OF HIGH PERFORMANCE GRAPHIC CARD & UHD SPLITTER

SAMSUNG
BUSINESS

REALIZE THE FULL UHD POWER OF VIDEO WALLS THROUGH ADVANCED SAMSUNG CALIBRATION TECHNOLOGY ALONG WITH SUPERIOR PANEL QUALITY

Samsung's video walls offer near-perfect uniformity in brightness and color across multiple displays, thanks to optimized calibration during manufacturing. This allows for Samsung's calibration technology and outstanding panel quality to truly let UHD content resonate even better. Samsung Calibration technology helps to yield 90% accuracy of local uniformity throughout all displays. The effects of screen darkening and light leakage are held to a minimum, while increased contrast ratio brings out the true visual impact of your content.

☑ Uniformity

TAKE COMFORT IN KNOWING THAT RELIABILITY AND DURABILITY ARE CORE COMPONENTS

Consistently display content in various environments and conditions with rock-solid durability. Samsung video wall panels are heat and dust resistant, and built to withstand weight pressure for a longer display lifespan. In addition, black mura-free panels help to offset backlight non-uniformity, allowing you to maintain superior quality content on your video wall over a long time. Samsung's reputation as a leading display brand with expansive global customer service coverage, an extensive product line-up and a future digital signage roadmap supports the displays' reliability and successful long-term usage.

A COMPLETE VIDEO WALL SOLUTION FEATURING A DIVERSE LINEUP TO MEET DIFFERING CUSTOMER NEEDS AND PROVIDING FLEXIBLE OPTIONS
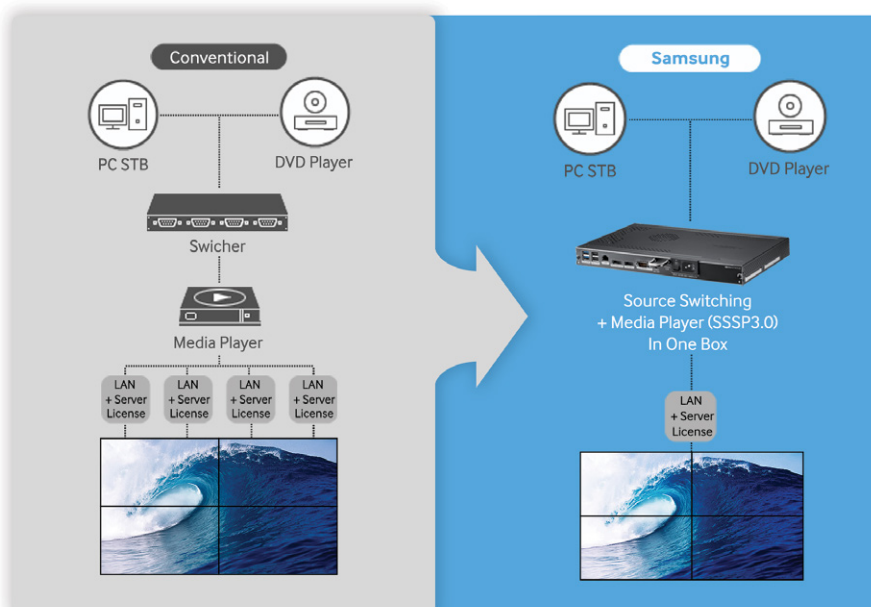
The UHD product line offers varying selections to handle different customer requirements. Our video wall solutions feature three available models that the customer can choose from depending on the brightness and bezel width, the two most important differentiation factors to meet customer needs.

	UDE-A (Premium)	UDE-B (Mainstream)	UDE-C (Entry)
	Premium UHD video wall solution offering optimum levels of brightness and ultra-narrow bezels	Multifaceted UHD video wall solution that can accommodate a wide range of applications for use	Entry Model UHD video wall displays providing essential features
	700nit brightness allows for perfect visibility at any time of day or in indoor settings with a high level of ambient lighting	500nit brightness is an ideal solution for adapting to a variety of lighting conditions and securing high visual impact	500nit brightness is an ideal solution for adapting to a variety of
Key Features	Ultra-narrow 3.5mm bezel-to-bezel design format helps to create a near-seamless appearance of the video wall, allowing viewers to have a deeper and richer engagement with the content.	Ultra-narrow 3.5mm bezel-to-bezel design format helps to create a near-seamless appearance of the video wall, allowing viewers to have a deeper and richer engagement with the content.	Super-narrow 5.5mm bezel-to-bezel design gives off a natural feel
	An anti-glare panel(Haze 44%) minimizes glare from external light and allows for optimum clarity of the intended message in order to reach target audiences.	An anti-glare panel(Haze 44%) minimizes glare from external light and allows for optimum clarity of the intended message in order to reach target audiences.	An anti-glare panel(Haze 44%) minimizes glare from external light
	24/7 Operation hour		
Screen Size	46", 55"	46", 55"	46"

MINIMIZE COSTS WHILE MAXIMIZING EFFICIENCY THROUGH AN ALL-IN-ONE SOLUTION

Samsung's All-in-One Solution has the option to be able to come complete with MagicInfo Player S3 software, Signage Player Box, and special wall mount, which all work in harmony to streamline core functionality in order to maintain optimum usability from installation to content creation and management. MagicInfo® is Samsung's proprietary content management and deployment software that provides users with complete control of their video wall content without the need of a physical connection.

- **MagicInfo Player S3** allows you to conveniently manage displays remotely with MagicInfo® software, which enables users to easily transfer, play, share and schedule timely video wall content without a physical connection.

- **Signage Player Box** is suited for displays operating without a System-on-Chip (SoC), which allows for multi-source switching and a media player to co-exist in a single box. Additionally, it facilitates simple and straightforward installation and enables configuration of daisy chain connections between displays. Backed by a powerful Quad Core CPU, the Signage Player Box effectively performs the role of a media player while reducing the need for incurring extra expenses in equipment to operate the differing facets of a video wall.

- **Special Wall Mounts** help to simplify installation by requiring a minimal amount of installation steps, providing simplified attach-and-connect configurations, and possessing no consumable replacement parts, which help to bring down expenses. Ideal layouts can be easily achieved through the precise matching between the wall mount size and video display size, making the effort of tediously measuring dimensions unnecessary. Additionally, the aesthetics of the video wall are enhanced from the ultra-slim wall mounts that take up minimal space.

INFLUENCE PIVOTAL PURCHASING SCENARIOS IN RETAIL SPACES THROUGH EFFECTIVE USE OF COMPELLING UHD CONTENT

A range of industries are now realizing the need for UHD, however, few stand to benefit more than business and retail environments where it is critical to have enhanced means of audience engagement. Featuring a resolution that is four times than that of HD imaging, 4K has positioned itself to be utilized to effectively capture the attention of audiences.

Retail

Traditional retail environments are areas always seeking to craft more engaging messages to lure customers and increase sales volume through product display. Until now, retailers have had to struggle with the limitations of traditional print signage. By utilizing dynamic UHD content through strategically placed video wall configurations, brands can bolster their brand identity, efforts to differentiate, and influence a measurable shift in consumer behavior. Showcase product content in vivid and lifelike quality. Allow for high-impact images to be displayed on UHD-quality menu boards. Easily manage content in real-time depending on time of day, season, or events, in order to attract and hold the interest of customers.

EXCEED CUSTOMER EXPECTATIONS BY FEATURING REALISTIC UHD CONTENT THROUGHOUT ENTERTAINMENT VENUES

Entertainment

Entertainment venues and facilities often have an array of information that they need to get across to visitors in order to maximize user experience and drive repeat visits. Stadiums and sporting facilities require UHD resolution on a wide scale in order to appease large audiences that can't easily see the action up-close. Captivate fans by offering everything from live footage to helpful information on amenities, all in stunningly crisp detail and flawless luminance. The unique spaces of museums, zoos, and aquariums can be augmented through displaying virtual artifacts or animals in incredible UHD clarity, allowing optimized usage of space and cost.

HIGHLY FUNCTIONAL SOLUTIONS FOR CRITICAL ENVIRONMENTS REQUIRING DEDICATED SURVEILLANCE WITH HIGH DEFINITION CONTENT

Control Room

Prestige in any company's corporate identity can be significantly raised from having the brilliant picture quality and presence of video walls in any vital setting where a certain image needs to be communicated, such as entrances, lobbies, trade show booths and related PR opportunities.

Few places other than control and surveillance rooms stand to benefit more from having detailed and highly functional video walls. Users can easily leverage the display of images and content, while being able to toggle video feeds and computer sources on all displays which allow for content to be viewed in finer definition through UHD-quality imagery. Complete reliability is assured through its 24/7 operation capability which can deftly handle mission critical tasks.

SAMSUNG UDE-A/B/C Series UHD VIDEO WALL DISPLAYS

			UDE-A		UDE-B		UDE-C
	Model		**UD46E-A**	**UD55E-A**	**UD46E-B**	**UD55E-B**	**UD46E-C**
Panel	Diagonal Size		46"	55"	46"	55"	46"
	Type		D-LED DID	D-LED DID	D-LED DID	D-LED DID	D-LED DID
	Resolution		1920*1080	1920*1080	1920*1080	1920*1080	1920*1080
	Pixel Pitch(mm)		0.53025mm(H)* 0.53025mm(V)	0.63mm(H) * 0.63mm(V)	0.53025mm(H)* 0.53025mm(V)	0.63mm(H) * 0.63mm(V)	0.53025mm(H)* 0.53025mm(V)
	Active Display Area(mm)		1018.08mm*572.67mm	1209.6 * 680.4mm	1018.08mm* 572.67mm	1209.6 * 680.4mm	1018.08mm* 572.67mm
	Brightness		Max 700 cd/m2	Max 700 cd/m2	Max 500 cd/m2	Max 500 cd/m2	Max 500 cd/m2
	Contrast Ratio		3500:1	4000:1	3500:1	4000:1	3500:1
	Viewing Angle(H/V)		178/178	178/178	178/178	178/178	178/178
	Response Time(G-to-G)		8ms	8ms	8ms	8ms	8ms
	Display Colors		8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M
	Color Gamut		72%	72%	72%	72%	72%
Display	Dynamic C/R		10,000:1	10,000:1	10,000:1	10,000:1	10,000:1
	H-Scanning Frequency		30kHz~81kHz	30kHz~81kHz	30kHz~81kHz	30kHz~81kHz	30kHz~81kHz
	V-Scanning Frequency		48Hz~75Hz	48Hz~75Hz	48Hz~75Hz	48Hz~75Hz	48Hz~75Hz
	Maximum Pixel Frequency		148.5MHz	148.5MHz	148.5MHz	148.5MHz	148.5MHz
Sound	Speaker Type		N/A				
Connectivity	INPUT	RGB	Analog D-SUB, DVI-D, Display Port 1.2				
		VIDEO	HDMI1,HDMI2				
		AUDIO	Stereo mini Jack				
		USB	Only F/W upgrade				
	OUTPUT	RGB	DP1.2(Loop-out)				
		VIDEO	N/A				
		AUDIO	Stereo mini Jack				
		Power Out	N/A				
	EXTERNAL CONTROL		RS232C(in/out), RJ45				
	EXTERNAL SENSOR		Detachable type(IR, Ambient)				
Power	Type		Internal				
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz				
	Power Consumption	Max[W/h]	187	187	143	198	143
		Typical[W/h]	128	128	87	136	93
		BTU(Max)	638	638	488	675	488
		Sleep Mode	less than 0.5W				
		Off Mode	less than 0.5W				
Mechanical Spec	Dimension (mm)	Set	1022.1x 576.6 x 97.4	1213.5x684.3x96.6	1022.1x576.6x97.4	1213.5x684.3x96.6	1024x578.6x113.6
		Package	1160x715x280	1355x809x320	1160x715x280	1355x809x320	1160x715x295
	Weight (kg)	Set	16.2kg	21.5Kg	18.0Kg	23.3kg	18.3kg
		Package	22.6kg	29.0kg	22.4kg	29.0kg	23.5kg
	VESA Mount		600 * 400 (mm)	600 * 400 (mm)	600 * 400 (mm)	600 * 400 (mm)	600 * 400 (mm)
	Protection Glass		N/A	N/A	N/A	N/A	N/A
	Stand Type		N/A	N/A	N/A	N/A	N/A
	Media Player Option Type		SBB-C/DA/DI (Slide In)	SBB-C/DA/DI (Slide In)	SBB-C/DA/DI (Slide In)	SBB-C/DA/DI (Slide In)	SBB-C/DA/DI (Slide In)
	Bezel Width (mm)		2.3mm(U/L), 1.2mm(R/B)	2.3mm(U/L), 1.2mm(R/B)	2.3mm(U/L), 1.2mm(R/B)	2.3mm(U/L), 1.2mm(R/B)	3.7mm(U/L), 1.8mm(R/B)

Operation	Operating Temperature	0℃~ 40℃				
	Humidity	10~80%				
Feature	Key	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel	Super Narrow Bezel
	Special	ACM Support(Advanced Color Management), Auto Source Switching & Recovery, Haze 44%, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(Supporting UHD Resolution, HDCP support), Smart F/W update, Clock Battery(80hrs Clock Keeping)				
Certification	Safety	UL (USA) : UL 60950-1 CSA (Canada) : CSA C22.2 No. 60950-1 TUV (Germany) : EN60950-1 NEMKO (Norway) : EN60950-1 KC (Korea) : K60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : IEC60950-1 GOST (Russia) : IEC60950-1, EN55022 SIQ (Slovenia) : IEC60950-1, EN55022 PCBC (Poland) : IEC60590-1, EN55022 NOM (Mexico) : NOM-019-SCFI-1993 IRAM (Argentina) :IEC60950-1 SASO (Saudi Arabia) : IEC60950-1				
	EMC	FCC (USA) FCC Part 15, Subpart B class A CE (Europe) EN55022, EN55024 VCCI (Japan) V-3 (CISPR22) KCC (Korea) :KN22, KN24 BSMI (Taiwan) : CNS13438 (CISPR22) C-Tick (Australia) : AS/NZS3548 (CISPR22) CCC(China) :GB9254-2008, GB17625.1-2012				
	Environment	ENERGY STAR 6.0 (USA)				
Accessories	Included	Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries				
	Optional — Stand	N/A				
	Optional — Mount	WMN-46VD	WMN-55VD	WMN-46VD	WMN-55VD	WMN-46VD
	Optional — Specialty	MID-UD46DS(TBD)	MID-UD55DS(TBD)	MID-UD46DS(TBD)	MID-UD55DS(TBD)	TBD
Media Player	CPU					
	N/B					
	S/B					
	GPU					
	FDM/HDD/SSD	SBB (Optional, SIM Type) Signage player box (SBB-SS08EL1)				
	Memory					
	Ethernet					
	Connectivity — USB					
	Connectivity — Output					
	Connectivity — Others					

LEGAL AND ADDITIONAL INFORMATION

To help select the right Samsung Digital Signage for your property, and for price and availability, visit ProTVSolutions.com or call 888-866-9981.

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