

LEGAL AND ADDITIONAL INFORMATION

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For more information

For more information about Samsung UDE Series Premium Signage Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

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SAMSUNG VIDEO WALL DISPLAY SOLUTIONS OPTIMIZED FOR YOUR BUSINESS





MEET UNIQUE DISPLAY NEED WITH A TOTAL VIDEO WALL SOLUTION AND COMPLETE LINEUP

Address virtually any display requirement with a total video wall solution and full product lineup designed for the specific needs of various industries and operating hour requirements.

Range of Display Sizes and Layouts

Leverage various sizes from 21.6" to 55" and bezel widths from 3.5 mm to 5.5 mm, and create rectangular layouts with 16:9 displays or square configurations with a 1:1 aspect ratio.

All-in-one Solution

Experience all-in-one solution functionality with UDE-P and UDE-S video walls. Even without an SoC, video walls (such as UDE-B and UDE-C) can demonstrate powerful performance equivalent to SoC embedded video walls through an optional signage player box.

Samsung's Innovative MagicInfo® Solution

Gain easy content publishing and control without the need to purchase a separate media player through MagicInfo® content management and deployment software.

Video walls provide a powerful way to break through visual clutter and engage with your intended audience. [Samsung, a pioneer of LCD-based video walls](#), is committed to extensive R&D investment and innovation to reach the next level, leading to its current status as [the market leader in ultra-thin video walls and a trusted business partner](#) for assured growth. [Our total video wall solution includes a wide range of video wall displays, management software, media players and accessories](#) to fit various customers' needs. Leading retailers, airports, businesses, public venues and educational facilities around the world leverage Samsung video walls to attract, inform and engage audiences.

	UDE-P	UDE-S	UDE-A	UDE-B	UDE-C	UD22B
Videowall Lineup						
Specific Needs	Premium video wall solution with ultra narrow bezels and optimized picture quality	Factory-calibrated video wall solution for broadcasting studio usage	Specialized daisy chained video wall solution for UHD content play	Powerful and versatile video wall solution for various business needs	Budget-friendly displays with standard features	1:1 aspect ratio(Square) displays for unique and artistic designs
Bezel Thinness	3.5mm Ultra narrow bezel				5.5mm bezel width	
Brightness	700nit high			500nit		450nit
Special Software	Samsung Smart Signage Platform (SSSP) 3.0 : Quad-core processor		UHD Content play up to 5x5 (daisy chain)	Signage Player Box (optional)		
Screen Size	46", 55"	55"	46"	46", 55"	46"	21.6"
Operation Hour	24/7 Operation hour					

CAPTIVATE VIEWERS WITH SUPERIOR COLOR AND PICTURE QUALITY



Experience exceptionally high picture quality and accurate original image reproduction with Samsung advanced color calibration technology that has undergone Gamma and Local Uniformity tests.

Advanced Color Management (ACM) Chipset and Samsung Color Expert Software

Leverage ACM exclusive color dedicated IC and 16-bit processing, along with the highest performance available in the video wall display market for stunning video wall messaging. Enable users to conveniently calibrate precise color settings beyond the factory calibration with Samsung Color Expert Software.

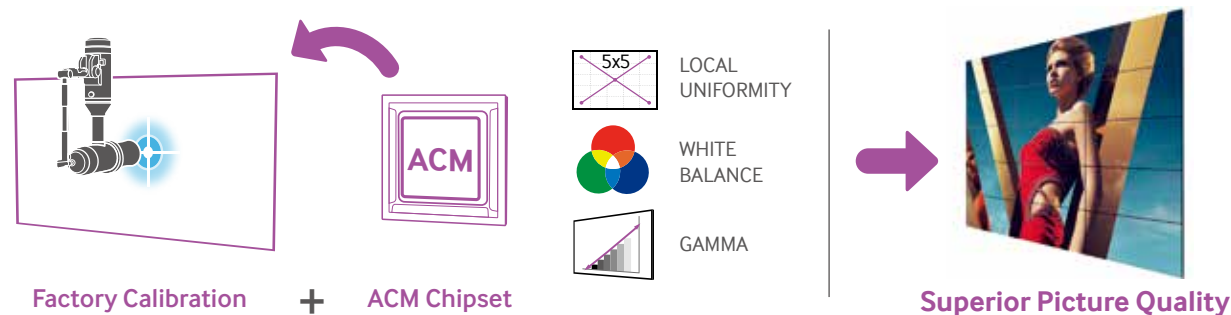
Samsung's Factory Calibration Process

Experience displays that are finely tuned more meticulously than typical customer calibration that is performed with a sensor and software after factory shipment. Samsung video wall displays are tuned to the highest-performing uniform brightness and color for detailed color in grayscale, consistent color across the display and accurate white color.

Best-in-class Panel Quality

Present a bright and consistent video wall with reduced panel blackening. A superior display quality is achieved by V-PID panel that prevents panel blackening even after periods of use. Additionally, Samsung provides a meticulously pre-calibrated panel for captivating content presentation.

Note: Gamma can vary by model, and is only applicable for UDE-P and UDE-S models.



GAIN EFFICIENCY WITH STREAMLINED CONTENT AND DISPLAY MANAGEMENT

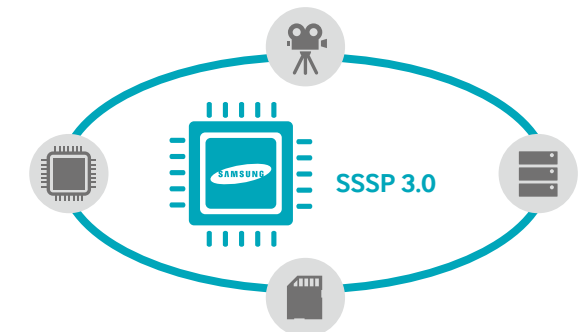
Advanced features such as Samsung Smart Signage Platform (SSSP) 3.0, Magic Info Player S3 along with Daisy Chain and Multi-stream support (MST) help users easily and more effectively control displays and manage and distribute content with innovative technologies that deliver more power, greater efficiency and simplified convenience.

Samsung Smart Signage Platform (SSSP) 3.0*

Easily control content with a PC-less, all-in-one solution featuring a powerful quad-core processor, and an optional Signage Player Box for non-SoC displays that offers multi-source switching and a media player in a single box.**

* System-on-Chip (SoC) applicability varies by model. Please refer to attached specification sheet.

** For non-SoC models only. Please refer to attached specification sheet.



MagicInfo Player S3

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.



Daisy Chain and Multi-Stream Support (MST)

Easily distribute content over multiple displays through a USB transfer with DP Loop-out for instant-playback, economical High-bandwidth Digital Content Protection (HDCP) daisy-chain capability, or a DP 1.2 connection with multi-stream (MST) support for up to 2 x 2 video walls*** without losing picture quality. In addition to MST, a UHD daisy chain can support up to 5 x 5 video walls with UDE-A, UDE-B and UDE-C models only. Note that the UDE-A model specializes in UHD content playing with a daisy chain.

***For UDE-P and UDE-S models only.



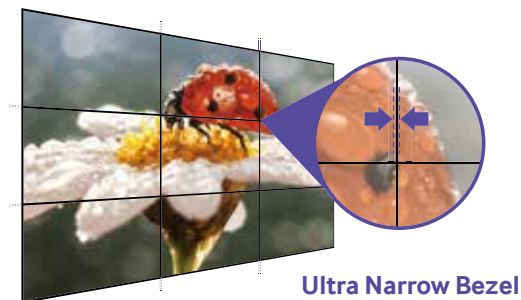
DELIVER SEAMLESS, IMPRESSIVE IMAGES AND A SUPERIOR BRAND EXPERIENCE WITH A PEERLESS PRODUCT DESIGN

Impress audiences with slim and sleek displays that are simple to install in virtually any space for stunningly appealing video walls.

Sophisticated Video Wall and Creative art wall Designs

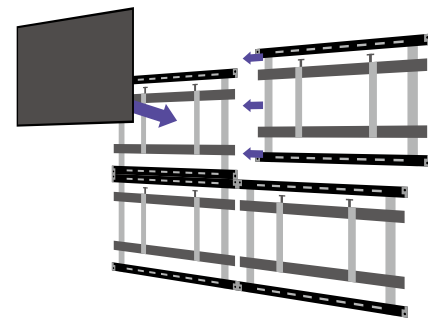
Slim-depth displays with narrow 3.5 mm bezels and a sleek design enable businesses to structure chic and elegant video walls. Easy configuration allows for greater creativity in composing artistic art walls.

**Bezel width varies by display model.*



Streamlined Installation

An embedded SoC simplifies installation by eliminating the need for an additional media player. Special wall mounts also make setup easier, delivering a perfect fit without unnecessary measuring and freedom to create single landscape displays, multi-panel portrait walls or massive 10 x 10 video walls.



Special Wall Mount

Easy Content Deployment to Multiple Video Walls and Art Walls

MagicInfo® software and daisy-chain support offer straightforward and efficient content deployment, saving time and resource.



COUNT ON HIGH DURABILITY AND OUTSTANDING, PROVEN RELIABILITY



Consistently display content in various environments and conditions (including broadcasting studios, control rooms and other usages that require operational stability, 24/7 reliability and high performance) 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, screen burn-in protection helps eliminate the image sticking that results when a fixed picture remains on the screen for 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.

**Features vary by model.*



Heat & Dust Resistant

24/7 Operation

Non-Glare

High Durability & Proven Reliability

LEVERAGE A CAPTIVATING VIDEO WALL DISPLAY TO ENTHRALL VIEWERS IN VIRTUALLY ANY ENVIRONMENT

Samsung video walls enthrall viewers with effective business messaging in a variety of environments and usage scenarios. The reliable displays deliver bright images, optimized color, slim and attractive bezels, high performance, and a wide range of products and solutions.

A specialized product lineup meets the specific needs of various industries and operating hour requirements. Samsung MagicInfo® solution provides easy content publishing and control without the need to purchase a separate media player. Plus, Signage Player Box delivers a multimedia SoC processor and SSSP 3.0 in one box that supports long distance and multi-source switching, and a Special Wall Mount accessory that enables simplified installation with a slim profile.

ENGAGE VIEWERS IN PUBLIC SPACES

Samsung video walls can break through the visual noise of public spaces to convey messages with bright, bold images displayed in a variety of sizes and shapes. UDE Series displays are ideal for public-space 24/7 operation. Transportation venues such as airports can leverage Samsung video walls to continuously display flight status, gate information and other important travel data. Bright, long-running Samsung video walls also deliver an optimal display solution for delivering real-time content to government and other control rooms. Samsung video wall solutions are a perfect fit for various public space scenarios.

Ideal For:

- Museums & Galleries
- Convention Centers, Stadiums & Theaters

- Airports & Stations



IMPRESS BUSINESS FACILITY VISITORS

Companies can impress prospects, customers and partners through sleek video walls that complement almost any business décor, delivering corporate messages in high-profile areas such as lobbies, entrances and trade show booths. MagicInfo® video wall software makes content management, display management and remote management more convenient for complex deployments like briefing centers, operations centers and control rooms. Plus, artistic video wall configurations in conference areas, event venues and lobbies can enhance a company's corporate image.

Ideal For:

- Corporate Lobbies & Entrances
- Trade Show Booths

- Briefing Centers, Operation Centers & Control Rooms



ENTICE CUSTOMERS AT RETAIL VENUES

Samsung video wall solutions are optimal for almost any size or type of retail environment, especially for delivering shopping mall and supermarket chain promotions and enhancing the brand image of luxury, fashion and franchise stores. Boutiques and specialty retailers can create stunning video walls with artistic designs and shapes. Department stores can deploy video walls in high traffic areas with attention-catching promotions. Malls and shopping centers can communicate upcoming events and create a shopping-friendly ambiance. Supermarket chains can display product, pricing and promotional information to boost sales and inform customers. Samsung video wall solutions are also ideal for themed restaurants and clubs, bank branches and investment centers.

Ideal For:

- Boutiques & Specialty Retailers
- Department Stores, Malls & Shopping Centers
- Supermarket chains

- Themed Restaurants & Clubs
- Bank branches & Investment Centers



IMPLEMENT AN IDEAL SOLUTION FOR BROADCASTING CENTERS

Broadcasting centers that use video walls for programming and monitoring need flawless 24/7 reliability to support mission-critical broadcasting and color temperature compatibility for true-to-life color without distortion. On-air viewing also requires the most optimal color signal to help ensure that the screen captured on the broadcasting camera is displayed almost identically on the video wall. Samsung UDE-S Series displays are designed specifically for broadcasting video wall usage. The panels' low-temperature lighting is highly compatible with typical broadcasting studio lighting and camera equipment, which allows the displays' actual color to be presented. In addition, a wide viewing angle enables identical color to be presented even when the camera films from various angles, and near-perfect uniformity is applied with thorough factory calibration. UDE-S Series display tools enable users to easily control the color temperature. The displays deliver reliable 24/7 operation and a slim-depth bezel for the ultimate in on-air video wall usage.



SPECIFICATION

Model		UDE-P			
		UD46E-P	UD55E-P		
Panel	Diagonal Size	46"	55"		
	Type	D-LED DID	D-LED DID		
	Resolution	1920*1080	1920*1080		
	Pixel Pitch(mm)	0.53025mm(H)*0.53025mm(V)	0.63mm(H)*0.63mm(V)		
	Active Display Area(mm)	1018.08mm*572.67mm	1209.6*680.4mm		
	Brightness(cd/m²)	Max 700 cd/m²	Max 700 cd/m²		
	Contrast Ratio	3500:1	4000:1		
	Viewing Angle(H/V)	178/178	178/178		
	Response Time(G-to-G)	8ms	8ms		
	Display Colors	8 bit - 16.7M	8 bit - 16.7M		
Color Gamut	72%	72%			
Connectivity	INPUT	RGB	Analog D-SUB, DVI-D, Display Port 1.2	Analog D-SUB, DVI-D, Display Port 1.2	
		VIDEO	HDMI1,HDMI2, Component(CVBS Common)	HDMI1,HDMI2, Component(CVBS Common)	
		AUDIO	Stereo mini Jack	Stereo mini Jack	
	OUTPUT	USB	USB 2.0 x 1	USB 2.0 x 1	
		RGB	DP1.2(Loop-out)	DP1.2(Loop-out)	
	AUDIO	Stereo mini Jack	Stereo mini Jack		
EXTERNAL CONTROL	RS232C(In/out), RJ45	RS232C(In/out), RJ45			
Mechanical Spec	Dimension (mm)	Set	1022.1 * 576.6 * 97.4	1213.5 * 684.3 * 96.6	
		Package	1160 * 715 * 280	1450 * 903 * 385	
	Weight (kg)	Set	18.0Kg (TBD)	23.3kg (TBD)	
		Package	22.4kg (TBD)	36.9kg (TBD)	
	VESA Mount (mm)	600 * 400 (mm)	600 * 400 (mm)		
	Media Player Option Type	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)			
Feature	Special	ACM Support(Advanced Color Management), Magic Clone(to USB), Auto Source Switching & Recovery, Haze 44%, Temperature Sensor, RS232C/RJ45 MDC, Plug and Play (DDC2B), PIP/PBP, Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(Supporting MST 2x2 UHD Resolution), Smart Scheduling, Smart F/W update, Clock Battery(80hrs Clock Keeping) Built In MagicInfo(MagicInfo Player S3)		ACM Support(Advanced Color Management), Magic Clone(to USB), Auto Source Switching & Recovery, Haze 44%, Temperature Sensor, RS232C/RJ45 MDC, Plug and Play (DDC2B), PIP/PBP, Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(Supporting MST 2x2 UHD Resolution), Smart Scheduling, Smart F/W update, Clock Battery(80hrs Clock Keeping) Built In MagicInfo(MagicInfo Player S3)	
	Processor	Cortex-A9 1GHz Quad Core CPU	Cortex-A9 1GHz Quad Core CPU		
		On-Chip Cache Memory	L1 (I/D): 32KB / 32KB L2 (Unified): 1MB	L1 (I/D): 32KB / 32KB L2 (Unified): 1MB	
	Clock Speed	1GHz CPU Quad	1GHz CPU Quad		
	Main Memory Interface	1.5GB Dual 48bit DDR3-933 (1866MHz)	1.5GB Dual 48bit DDR3-933 (1866MHz)		
	Internal Player (Embedded H/W)	Graphics	2D & 3D Graphics Engine - Up to 1920x1080, 32bpp - Supports OpenGL ES	2D & 3D Graphics Engine - Up to 1920x1080, 32bpp - Supports OpenGL ES	
		Storage (FDM)	8GB (2.65GB Occupied by O/S, 5.35GB Available)	8GB (2.65GB Occupied by O/S, 5.35GB Available)	
	Multimedia	Video Decoder	- MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG, VP8 Audio DSP (Decoder)	- MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG, VP8 Audio DSP (Decoder)	
		IO Ports	USB 2.0	USB 2.0	
	Operating System	Samsung Proprietary OS(VDLinux)	Samsung Proprietary OS(VDLinux)		
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) : GB 4943-2001 / 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		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) : GB 4943-2001 / 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) : GB 9254-2008, GB 17625.1-2003		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) : GB 9254-2008, GB 17625.1-2003	
	Environment	ENERGY STAR 6.0 (USA)		ENERGY STAR 6.0 (USA)	

Model		UDE-S		UDE-A	
		UD55E-S	UD46E-A		
Panel	Diagonal Size	55"	46"		
	Type	D-LED DID	D-LED DID		
	Resolution	1920*1080	1920*1080		
	Pixel Pitch(mm)	0.63mm(H)*0.63mm(V)	0.53025mm(H)*0.53025mm(V)		
	Active Display Area(mm)	1209.6*680.4mm	1018.08mm*572.67mm		
	Brightness(cd/m²)	Max 700 cd/m²	Max 700 cd/m²		
	Contrast Ratio	4000:1	3500:1		
	Viewing Angle(H/V)	178/178	178/178		
	Response Time(G-to-G)	8ms	8ms		
	Display Colors	8 bit - 16.7M	8 bit - 16.7M		
Color Gamut	65%	72%			
Connectivity	INPUT	RGB	Analog D-SUB, DVI-D, Display Port 1.2	Analog D-SUB, DVI-D, Display Port 1.2	
		VIDEO	HDMI1,HDMI2, Component(CVBS Common)	HDMI1,HDMI2	
		AUDIO	Stereo mini Jack	Stereo mini Jack	
	OUTPUT	USB	USB 2.0 x 1	Only F/W upgrade	
		RGB	DP1.2(Loop-out)	DP1.2(Loop-out)	
	AUDIO	Stereo mini Jack	Stereo mini Jack		
EXTERNAL CONTROL	RS232C(In/out), RJ45	RS232C(In/out), RJ45			
Mechanical Spec	Dimension (mm)	Set	1213.5 * 684.3 * 96.6	1022.1 * 576.6 * 97.4	
		Package	1450 * 903 * 385	1160 * 715 * 280	
	Weight (kg)	Set	23.3kg	18.0Kg	
		Package	36.9kg	22.4kg	
	VESA Mount (mm)	600 * 400 (mm)	600 * 400 (mm)		
	Media Player Option Type	Embedded, 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)			
Feature	Special	ACM Support(Advanced Color Management), Magic Clone(to USB), Auto Source Switching & Recovery, Haze 44%, Temperature Sensor, RS232C/RJ45 MDC, Plug and Play (DDC2B), PIP/PBP, Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(Supporting MST 2x2 UHD Resolution), Smart Scheduling, Smart F/W update, Clock Battery(80hrs Clock Keeping) Built In MagicInfo(MagicInfo Player S3), Panel for Broadcasting(2,800K~6,500K)		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)	
	Processor	Cortex-A9 1GHz Quad Core CPU	Cortex-A9 1GHz Quad Core CPU		
		On-Chip Cache Memory	L1 (I/D): 32KB / 32KB L2 (Unified): 1MB	L1 (I/D): 32KB / 32KB L2 (Unified): 1MB	
	Clock Speed	1GHz CPU Quad	1GHz CPU Quad		
	Main Memory Interface	1.5GB Dual 48bit DDR3-933 (1866MHz)	1.5GB Dual 48bit DDR3-933 (1866MHz)		
	Internal Player (Embedded H/W)	Graphics	2D & 3D Graphics Engine - Up to 1920x1080, 32bpp - Supports OpenGL ES	N/A	
		Storage (FDM)	8GB (2.65GB Occupied by O/S, 5.35GB Available)	N/A	
	Multimedia	Video Decoder	- MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG, VP8 Audio DSP (Decoder)	- MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG, VP8 Audio DSP (Decoder)	
		IO Ports	USB 2.0	USB 2.0	
	Operating System	Samsung Proprietary OS(VDLinux)	Samsung Proprietary OS(VDLinux)		
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) : GB 4943-2001 / 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		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) : GB 4943-2001 / 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) : GB 9254-2008, GB 17625.1-2003		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) : GB 9254-2008, GB 17625.1-2003	
	Environment	ENERGY STAR 6.0 (USA)		ENERGY STAR 6.0 (USA)	

SPECIFICATION

Model		UDE-B		
		UD46E-B	UD55E-B	
Panel	Diagonal Size	46"	55"	
	Type	D-LED DID	D-LED DID	
	Resolution	1920*1080	1920*1080	
	Pixel Pitch(mm)	0.53025(H)*0.53025(V)	0.63(H)*0.63(V)	
	Active Display Area(mm)	1018.08*572.67	1209.6 * 680.4	
	Brightness(cd/m²)	Max 500 cd/m²	Max 500 cd/m²	
	Contrast Ratio	3500:1	4000:1	
	Viewing Angle(H/V)	178/178	178/178	
	Response Time(G-to-G)	8ms	8ms	
	Display Colors	8 bit - 16.7M	8 bit - 16.7M	
Color Gamut	72%	72%		
Connectivity	INPUT	RGB	Analog D-SUB, DVI-D, Display Port 1.2	Analog D-SUB, DVI-D, Display Port 1.2
		VIDEO	HDMI1,HDMI2	HDMI1,HDMI2
		AUDIO	Stereo mini Jack	Stereo mini Jack
	OUTPUT	USB	Only F/W upgrade	Only F/W upgrade
		RGB	DP1.2(Loop-out)	DP1.2(Loop-out)
		AUDIO	Stereo mini Jack	Stereo mini Jack
EXTERNAL CONTROL		RS232C(In/out), RJ45	RS232C(In/out), RJ45	
Mechanical Spec	Dimension (mm)	Set	1022.1* 576.6 * 97.4	1213.5 * 684.3 * 96.6
		Package	1160 * 715 * 280	1450 * 903 * 385
	Weight (kg)	Set	18.0Kg	23.3kg
		Package	22.4kg	36.9kg
	VESA Mount (mm)		600 * 400 (mm)	600 * 400 (mm)
	Media Player Option Type		SBB-C/DA/DI (Slide In)	SBB-C/DA/DI (Slide In)
	Bezel Width (mm)		2.3(U/L), 1.2(R/B)	2.3(U/L), 1.2(R/B)
Feature	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)		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)
	Internal Player (Embedded H/W)	Processor		
		On-Chip Cache Memory		
		Clock Speed		
		Main Memory Interface		
		Graphics	N/A	N/A
		Storage (FDM)		
		Multimedia		
		IO Ports		
		Operating System		
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) : GB 4943-2001 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		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) : GB 4943-2001 / 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) : GB 9254-2008, GB 17625.1-2003		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) : GB 9254-2008, GB 17625.1-2003
	Environment	ENERGY STAR 6.0 (USA)		ENERGY STAR 6.0 (USA)

Model		UDE-C		UD22B	
		UD46E-C		UD22B	
Panel	Diagonal Size	46"		21.6"	
	Type	D-LED DID		S-PVA(DID)	
	Resolution	1920*1080		960 x 960 (1:1 Aspect Ratio)	
	Pixel Pitch(mm)	0.53025mm(H)*0.53025mm(V)		0.1345mm(H) * 0.1345mm(V)	
	Active Display Area(mm)	1018.08mm*572.67mm		387.36 * 387.36 mm	
	Brightness(cd/m²)	Max 500 cd/m²		450 cd/m²	
	Contrast Ratio	3500:1		4000:1	
	Viewing Angle(H/V)	178/178		178/178	
	Response Time(G-to-G)	8ms		8ms	
	Display Colors	8 bit - 16.7M		8 bit - 16.7M	
Color Gamut	72%		72%		
Connectivity	INPUT	RGB	Analog D-SUB, DVI-D, Display Port 1.2	DVI-D, Display Port	
		VIDEO	HDMI1,HDMI2	HDMI	
		AUDIO	Stereo mini Jack	N/A	
	OUTPUT	USB	Only F/W upgrade	N/A	
		RGB	DP1.2(Loop-out)	DVI-D(Loop-out)	
		AUDIO	Stereo mini Jack	Stereo mini Jack	
EXTERNAL CONTROL		RS232C(In/out), RJ45	RS232C(In/out), RJ45		
Mechanical Spec	Dimension (mm)	Set	1023.8mm * 578.4mm * 113.7mm	393.3 * 393.3 * 81.5	
		Package	1145mm * 691mm * 280mm	473.0 * 473.0 * 187	
	Weight (kg)	Set	18.0Kg	6.5kg	
		Package	35.0Kg	7.7kg	
	VESA Mount (mm)		600 * 400 (mm)	300*300mm	
	Media Player Option Type		SBB-C/DA/DI (Slide In)	N/A	
	Bezel Width (mm)		3.7mm(U/L), 1.8mm(R/B)	3.7mm(U/L), 1.8mm(R/B)	
Feature	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)		Lamp Error Detection, Anti Retention, Temperature Sensor, RS232C/RJ45 MDC, Plug and Play (DDC2B), PIP/PBP, Video Wall(10x10), Pivot Display, Button Lock, Digital Daisy Chain, Smart Scheduling, Smart F/W update	
	Internal Player (Embedded H/W)	Processor			
		On-Chip Cache Memory			
		Clock Speed			
		Main Memory Interface			
		Graphics	N/A	N/A	
		Storage (FDM)			
		Multimedia			
		IO Ports			
		Operating System			
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) : GB 4943-2001 / 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		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) : GB 4943-2001 / 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) : GB 9254-2008, GB 17625.1-2003		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) : GB 9254-2008, GB 17625.1-2003	
	Environment	ENERGY STAR 6.0 (USA)		ENERGY STAR 5.0 (USA)	