SAMSUNG UDE-P SERIES SMART SIGNAGE

Attract audiences with unprecedented image quality through an innovative Samsung video wall solution

Highlights

- Deliver superior color performance through precise calibration and excellence in panel technology
- Provide a seamless viewing experience with ultra-narrow bezels and high brightness that maximize visuals
- Project rich, eye-catching content with hassle-free display operation and content management using the MagicInfo® Server
- Increase device connectivity and improve content management with DisplayPort (DP) daisy chain and USB support
- Reduce setup time with a simple, easy-to-use special wall mount
- Ensure your message runs continually with highly durable and reliable displays designed for 24/7 operation

SAMSUNG
BUSINESS

PRESENT EXCELLENT UNIFORM BRIGHTNESS AND COLOR ACCURACY ACROSS VIDEO WALL DISPLAYS

A video wall is an impactful way to stand out from the visual clutter we see around us everywhere. With their crisp, precise and engaging content, video walls grab audience attention and are a great way to reach them with brand messaging. As a pioneer in video wall displays, Samsung is a market leader in designing high-impact, ultra-thin videos walls and robust software solutions that enable businesses to create dynamic content with ease.

Samsung UDE-P Series video wall displays deliver uncompromising, superior color performance and improved color uniformity. Boasting advanced factory calibration technology, the UDE-P Series features Samsung Color Expert Technology, which provides uniform brightness and color accuracy across all video wall displays, and maintains the uniformity and precision.

The Samsung refined, multistep factory calibration process manually tunes each display for uniform brightness and color to the highest performing consistency standards. This ensures perfect uniformity of each display across the video wall, resulting in near-perfect results by simply setting the mode upon unpackaging.
It also makes Samsung color management technology more superior. Accurate, high-quality white color is created by fine-tuning the RGB color balance. Samsung factory calibration manages the white balance of each display within a 300 K error range for color uniformity. Gamma and grayscale calibration tunes the displays to show natural shading and gradation without color distortion, and subtle differences of white-to-black gradation. Before calibration, an uncorrected gamma curve results in unsaturated and distorted color. After calibration, the color is saturated and the grayscale is smooth.
Prior to uniformity, white balance and gamma correction procedures, each monitor undergoes a three-step aging process to prepare an environment that is similar to the actual environment where the video wall will be installed.

SAMSUNG
BUSINESS

Take color management beyond factory calibration

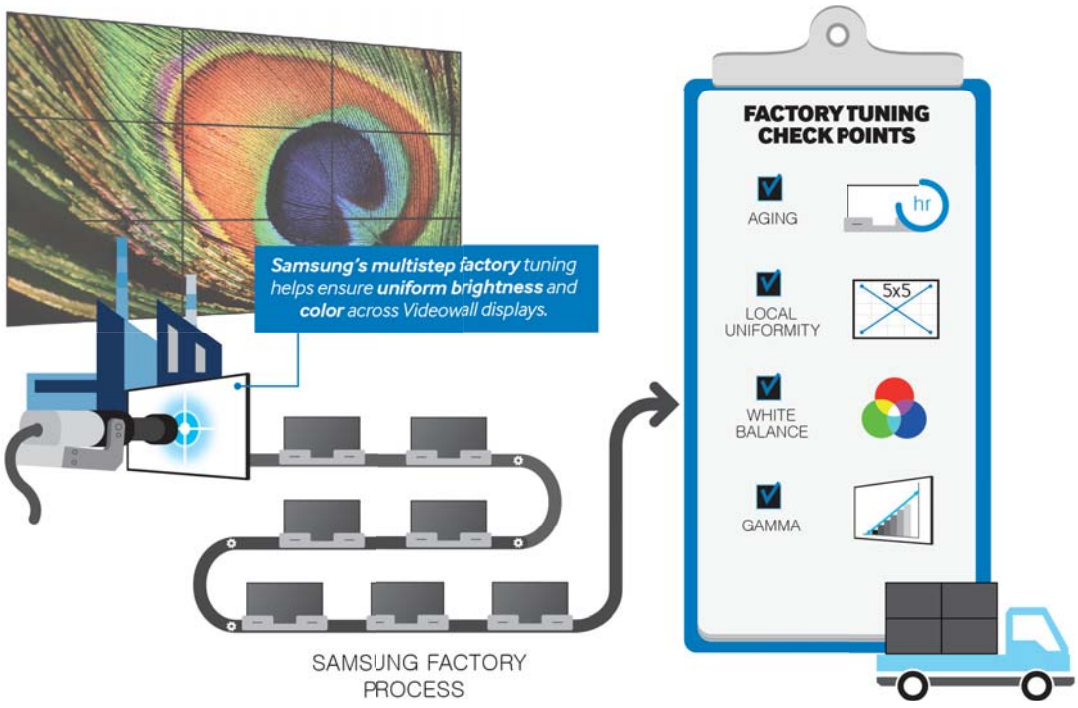
For those who want to tweak the color calibration even further, Samsung offers an Advanced Color Management (ACM) chipset and Samsung Color Expert Software, enabling users to conveniently calibrate precise color settings beyond the factory calibration. This exclusive software features color-dedicated IC and 16-bit processing, along with the highest performance available in the video wall display market for stunning video wall messaging.

Leverage best-in-class panel quality

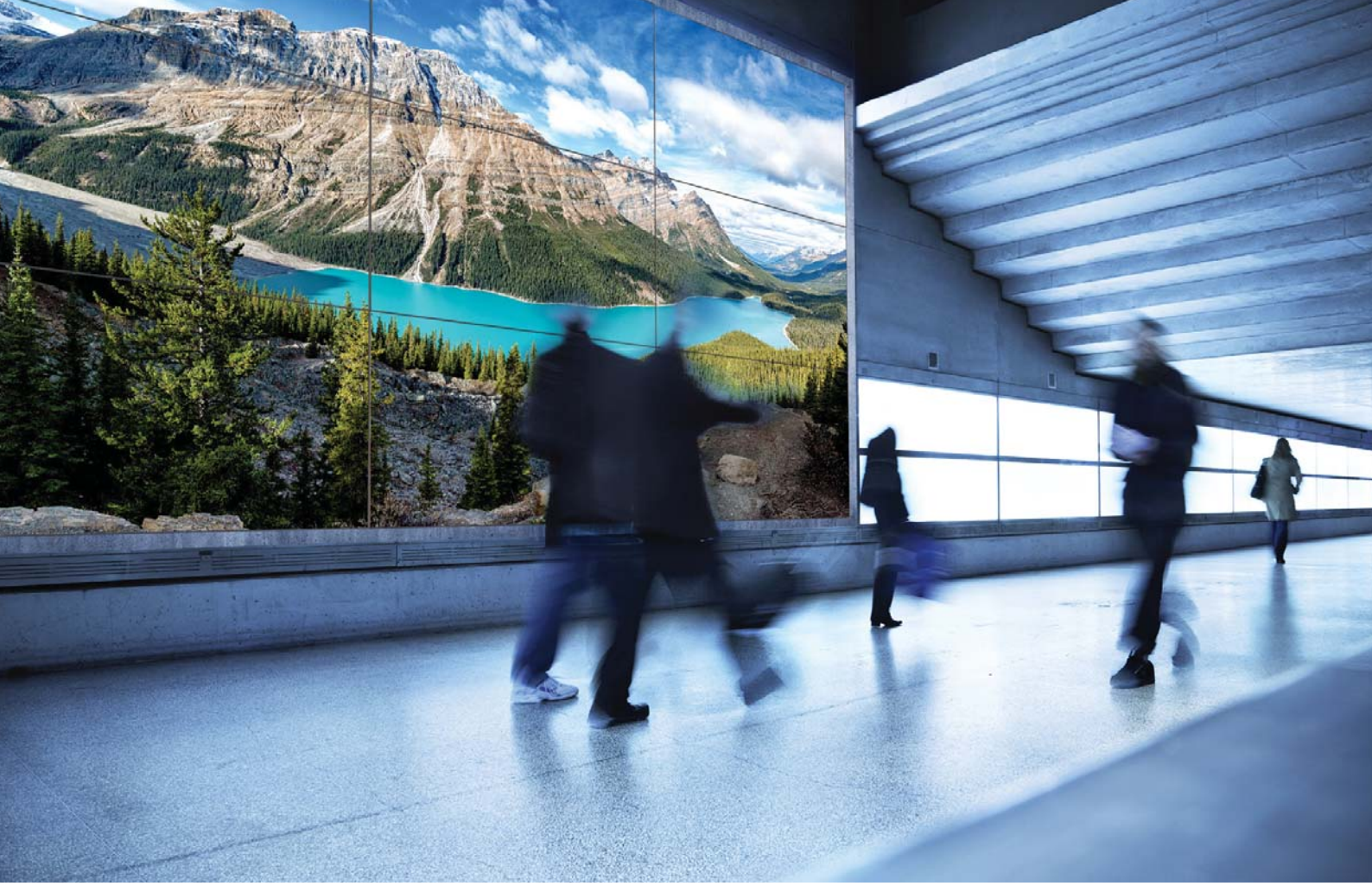
Samsung meticulously pre-calibrates each panel to ensure consistently captivating content presentations. Prior to the factory calibration process, Samsung uses its exclusive, best-in-class quality Vertical Public Information Display (V-PID) panels, which ensure highly accurate calibration results. Bright, superior display quality is achieved with no blackening effects around the edges, even after long periods of operation under direct sunlight or ambient light. In addition, when connected to multiple displays, consistent, uniform color is achieved through Samsung superb panel technology. With a non-glare feature that significantly reduces haze by 44%, various multimedia content can be clearly seen without light reflection for high visibility in outdoor public areas.

Maximize visual appeal with slim, sleek displays for a near-seamless viewing experience

The UDE-P Series video wall displays feature a sleek design with a slim depth and 3.5 mm (0.14 in.) bezel-to-bezel width for an elegant and near-seamless viewing experience. Their chic design enables businesses to create sophisticated video walls in creative configurations to attract audiences to their brand messaging.
The UDE-P Series video wall displays deliver superb Ultra-High-Definition (UHD) picture quality with high similarity to the original color signal for improved content and message clarity. A haze level of 44 percent and a non-glare screen with 700-nit brightness provide excellent message delivery, even in brightly lit environments.



SAMSUNG
BUSINESS



ENGAGE AUDIENCES WITH SUPERB-QUALITY IMAGES ON SLEEK, ULTRA-BRIGHT VIDEO WALLS

Experience effortless display operation and content management with robust Samsung solutions

Available with the Samsung UDE-P Series video wall displays are valuable software solutions. Samsung Smart Signage Platform (SSSP) simplifies content deployment without additional equipment and MagicInfo Player S3 provides convenient remote content management. Plus, versatile connectivity options ensure quality distribution of video images over multiple displays.

- Samsung Smart Signage Platform (SSSP)

Users can control a multitude of rich content with this PC-less, all-in-one SSSP solution that boasts a powerful quad-core processor, and a display that offers multi-source switching and a media player in a single box. With the SSSP embedded display, there is no need for an additional PC or media player. Content can be distributed from the MagicInfo Server or an HTML5-based web content service, which is developed based on the SSSP. Also, by simplifying the digital signage components and streamlining installation, businesses can realize lower total cost of ownership (TCO).

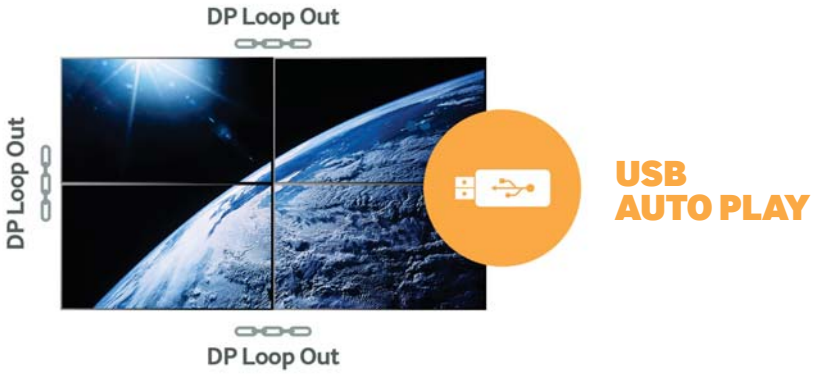
- Daisy chain and Multi-stream Support (MST)

Content can be easily distributed over multiple displays through a USB interface with a Display Port (DP) loop-out for instant playback; an economical High-bandwidth Digital Content Protection (HDCP) daisy-chain configuration; or a DP 1.2 connection with MST support for up a 2 x 2 video wall without losing picture quality.

SAMSUNG
BUSINESS

- MagicInfo Player S3

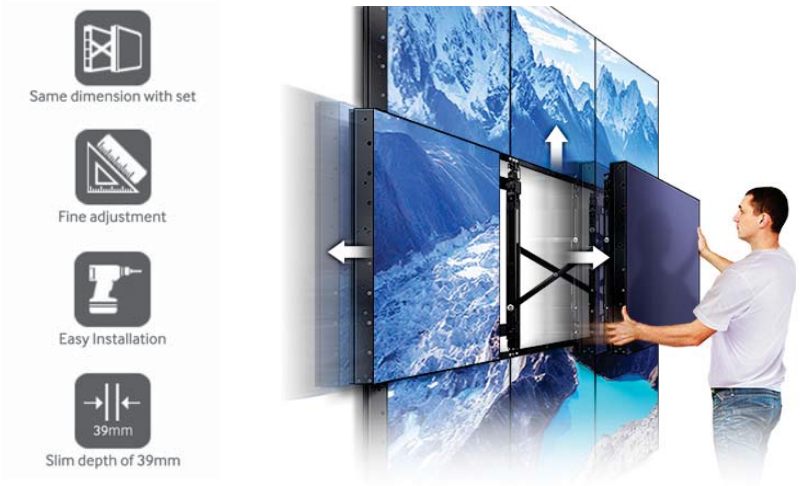
MagicInfo Player S3 conveniently manages content using MagicInfo software. Users can easily transfer, play, share and schedule timely display content with or without a physical connection. By connecting each display with a Display Port (DP) Daisy Chain, a customer can easily configure a videowall without a PC. By simply plugging in a USB memory device with content, a user can readily distribute the content to multiple video walls throughout the property.



Eliminate complicated installations with easy setup and less equipment to configure

An embedded System-on-Chip (SoC) simplifies installation and saves space by eliminating the need for an additional media player. The slim, sleek, space-saving design of the UDE-P Series facilitates installation even further. They can fit in virtually any space and can be creatively placed in a variety of configurations, limited only by one's imagination.

Special wall mounts also make setup easier, providing a perfect fit without unnecessary measuring and the freedom to create single landscape displays, multi-panel portrait walls or massive 10 x 10 video walls.



Rely on the solid reputation of the leading global display brand

Video signage typically must operate for extended periods of time, often 24/7, 365 days a year, and many times in less than desirable environments. Therefore, reliability, high performance and rock-solid durability are top priorities when choosing a video wall display. Samsung UDE-P Series video wall displays are heat and dust resistant, and built to withstand weight pressure for a longer display lifespan. In addition, screen burn-on protection helps eliminate image sticking, which results from a fixed image remaining on the screen for a long time. Samsung has a reputation as a leading display brand with expansive global customer service coverage and an extensive product lineup. Plus, a future digital signage roadmap supports our displays' reliability and successful, long-term use.

SAMSUNG
BUSINESS

SAMSUNG UDE-P SERIES VIDEO WALL DISPLAY

Model			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)		1018.08*572.67mm	1209.6 * 680.4mm
	Brightness		700 cd/m2	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%
Display	Dynamic C/R		10,000:1	10,000:1
	H-Scanning Frequency		30kHz ~ 81kHz	30kHz ~ 81kHz
	V-Scanning Frequency		48Hz ~ 75Hz	48Hz ~ 75Hz
	Maximum Pixel Frequency		148.5MHz	148.5MHz
Sound	Speaker Type		N/A	N/A
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
		USB	USB 2.0 x 1	USB 2.0 x 1
	OUTPUT	RGB	DP1.2(Loop-out)	DP1.2(Loop-out)
		VIDEO	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45
	EXTERNAL SENSOR		Detachable type(IR, Ambient)	Detachable type(IR, Ambient)
Power	Type		Internal	Internal
	Power Supply		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz	AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
	Power Consumption	Max[W/h]	TBD	297
		Typical[W/h]	TBD	217
		BTU(Max)	TBD	1013
		Sleep Mode	less than 0.5W	less than 0.5W
		Off Mode	less than 0.5W	less than 0.5W
Operation	Operating Temperature		0°C~ 40°C	0°C~ 40°C
	Humidity		10~80%	10~80%

Mechanical Spec	Dimension (mm)	Set	1022.1 * 576.6 * 97.4	1213.5 * 684.3 * 96.6
		Package	1160 X 715 X 280	1450 X 903 X 385
	Weight (kg)	Set	18.0Kg	23.3kg
		Package	22.4kg	36.9kg
	VESA Mount		600 * 400 (mm)	600 * 400 (mm)
	Protection Glass		N/A	N/A
	Stand Type		N/A	N/A
	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	Key		Ultra Narrow Bezel	Ultra Narrow Bezel
	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)
	Internal Player (Embedded H/W)	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)
		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) - AC3 (DD), MPEG, DTS and etc.	Video Decoder - MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG,VP8 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.
		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 4943.1-2011 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	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 4943.1-2011 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) :GB 9254-2008, GB 17625.1-2012	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 17625.1-2012
	Environment		ENERGY STAR 6.0 (USA)	ENERGY STAR 6.0 (USA)
Accessories	Included		Quick Setup Guide, Warranty Card, DP cable, Power Cord, Remote Controller, Batteries	"Quick Setup Guide, Warranty Card, DP cable, Power Cord, Remote Controller, Batteries, "
	Optional	Stand	N/A	N/A
		Mount	WMN-46VD	WMN-55VD
		Specialty	MID-UD46DS(TBD)	MID-UD55DS
Media Player	CPU		SBB (Optional, SIM Type)	
	N/B			
	S/B			
	GPU			
	FDM/HDD/SSD			
	Memory			
	Ethernet			
	Connectivity	USB		
		Output		
		Others		

SAMSUNG
BUSINESS

SAMSUNG
BUSINESS