About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, cameras, digital appliances, medical equipment, network systems, and semiconductor and LED solutions. For the latest news, please visit the Samsung Newsroom at news.samsung.com.

SMART Signage

For more information about Samsung SMART Signage VMT-U Series Displays, visit www.samsung.com/business or www.samsung.com/displaysolutions

Samsung Video Wall Displays

VHR–R, VHT–E, VMT–E, VMT–U series

Always-on, space-saving solution delivering a seamless visual experience

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SAMSUNG

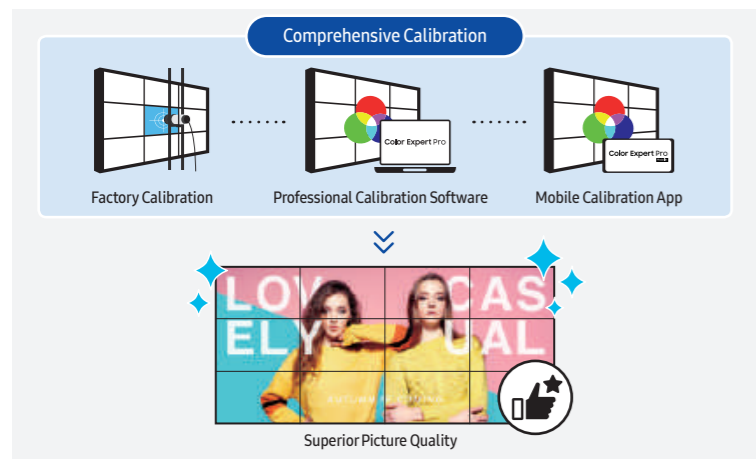## An immersive viewing experience for any business

Samsung's VHR-R, VHT-E, VMT-E, VMT-U series video wall displays provide a captivating viewing experience for a wide variety of business settings. The displays' exceptionally slim depth, continuous operation capability and IP5X certification provide endless possibilities for retail stores, office spaces, public spaces and more. Built to operate all day, Samsung's video walls ensure businesses have an effective communication channel, even after traditional business hours. With wide viewing angles and special anti-glare panels Samsung's video wall display demands attention, even with bright ambient light, ensuring every word and image is as legible as it is impressive.

Why use Samsung's video wall displays for your business?

Slim Depth   Dust Free

Fit for Any Environment

The displays' slim depth gives businesses ultimate flexibility in creating a video wall that is perfectly suited to their needs and can be implemented in any location. IP5X certification ensures the display is completely dust resistant and can deliver a dependable viewing experience in a wide range of conditions. It also allows for video wall installation in public spaces without the need for additional dust-resistant molding.

Comprehensive Calibration

Factory Calibration   Professional Calibration Software   Mobile Calibration App

Superior Picture Quality

Flawless uniformity

To ensure outstanding picture quality, all Samsung video wall displays are fine-tuned with a strict multi-step calibration process. Users may also adjust detailed settings to suit their individual needs using Samsung's free powerful software, Color Expert Pro. For businesses needing a simpler solution, Color Expert Pro Mobile makes for quick and easy calibration using a mobile device camera.

Conventional   VMT-U Series

Vivid viewing in any location

Samsung video walls feature wide viewing angles allowing viewers to see vivid content from any position. It eliminates potential distortion, ensuring colors, logos, fonts and messages are aligned with business' brand guidelines. Additionally, special anti-glare panels maintain vibrant and accurate visuals, preventing any disruption from bright lights, sunlight or glare any time of the day or night.

Samsung's lineup of video wall displays

Every business has different needs, which is why Samsung provides a range of video wall options with various levels of brightness, bezel widths and cabinet depths. Every one of our video wall models are guaranteed to deliver the vivid picture quality and reliable performance Samsung is known for. Additionally, all of our displays are easy to install, further reducing complexity for business owners.

Advanced ◀ ▶ Essential

	Razor narrow bezel	Extreme narrow bezel		Ultra narrow bezel
Series	VHR-R Series	VHT-E Series	VMT-E Series	VMT-U Series
B-to-B Width	0.88mm	1.8mm	1.8mm	3.5mm
Brightness	700 nit	700 nit	500 nit	500 nit
Depth	69.9mm	70mm	70mm	69.9mm (46") / 73.1mm (55")
Viewing Angle (Vertical / Horizontal)	178˚ / 178˚	178˚ / 178˚	178˚ / 178˚	178˚ / 178˚
Calibration	PC & Mobile supported	PC & Mobile supported	PC & Mobile supported	PC & Mobile supported
Other Keywords	IP5X ISTA-6A —	IP5X ISTA-6A —	IP5X ISTA-6A Center IR	IP5X ISTA-6A Center IR

Key features

3.5mm

Ultra Narrow Bezel

Captivate audiences through a narrow Bezel

A razor-narrow 0.88mm* bezel-to-bezel design creates an uninterrupted visual experience across multiple screens. Minimizing the visual distraction of the screens themselves, the displays present a single, uniform picture that captures attention and keeps viewers focused on featured messages.

* Bezel width varies by video wall model.

69.9mm

Slim Depth

Adaptable slender design

The exceptionally thin 69.9MM* cabinet depth provides businesses with more flexibility to create the exact video wall they need and install it in the most impactful location. The thoughtful design blends in seamlessly and transforms any location with powerful visuals.

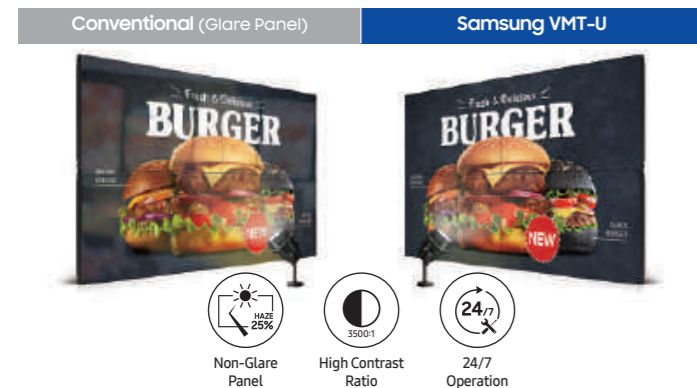*Exact cabinet depth varies by video wall model.

| Factory Calibration | ACM Chipset | Samsung Color Expert Software |

Step 1 — Aging | Step 2 — Local Uniformity | Step 3 — Gamma | Step 4 — White Balance

Comprehensive calibration

Multi-step factory calibration process tunes video walls to uniform brightness and color throughout multiple displays. In addition to rigorous factory calibration, users can also manage brightness and color uniformity with Samsung's Color Expert Pro, a powerful free software program.

Quick & Easy | Cost Effective | Up to 5x5 at once

Before calibration | After calibration

Convenient mobile calibration

For users who seek quick and simple video wall settings, Samsung's Color Expert Pro Mobile enables an easy video wall calibration using a mobile camera. With the solution's intuitive UI, even non-expert users can adjust up to 5x5 video wall's white balance simultaneously without the need for additional equipment.

178° Horizontal

178° Vertical

View content from any angle

Wide viewing angles mean content is easily visible even if viewers aren't standing directly in front of the display. Audiences can get clear details and vivid colors regardless of where the screen is located.

IP5X Rating — Dust Free

Center IR

Built durable and user-friendly

IP5x certified, Samsung video walls are dust-resistant and able to withstand a range of environmental conditions without needing to prepare additional enclosure in dusty places. An embedded, centrally located infrared receiver (IR)* allows for easier and more flexible user control.

*Center IR support varies by each video wall model.

Conventional (Glare Panel) | Samsung VMT-U

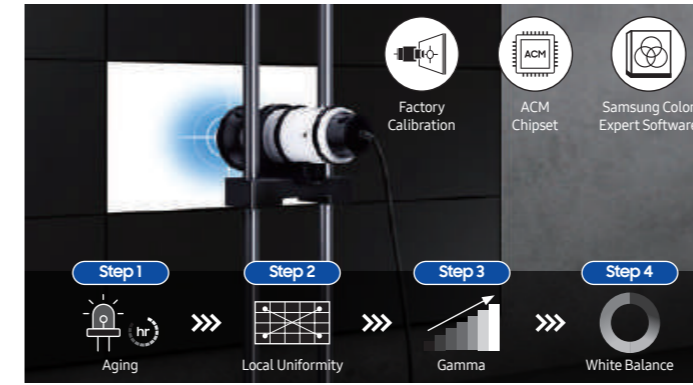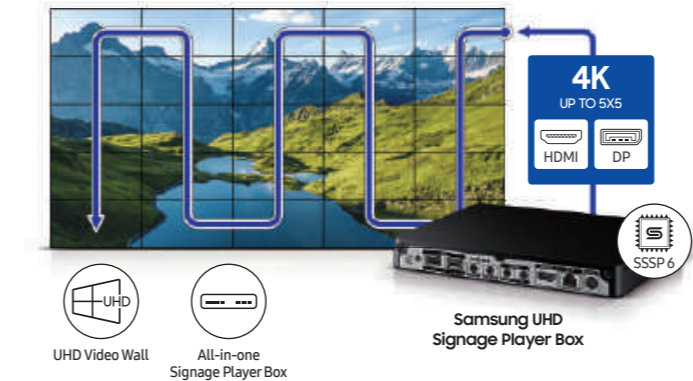HAZE 25% Non-Glare Panel | 3500:1 High Contrast Ratio | 24/7 Operation

Vibrant images in any light

Non-glare panels evenly distribute light across the screen to maintain vibrant and accurate content. Combined with a high contrast ratio and 24/7 operation, visuals are vivid and eye-catching any time of the day or night — regardless of ambient light.

Picture Enhancer Off | Picture Enhancer On | Black Equalizer Off | Black Equalizer On

Image enhancement

Samsung's powerful picture enhancement technology ensures all content is vibrant and clear. With Picture Enhancer mode, color saturation and contrast are improved by adjusting the gamma curve. Using Black Equalizer mode, dark images are lightened, making details easier to see.

4K UP TO 5X5 | HDMI | DP

SSSP 6

UHD Video Wall | All-in-one Signage Player Box | Samsung UHD Signage Player Box

Advanced presentation, simplified operation

Utilizing daisy chain design through DisplayPort 1.2 or HDMI ports enable Samsung video wall displays to present UHD content on multiple screens without an external graphic card. Samsung's UHD Signage Player Box streamlines functionality by combining the media player and content management software.

EMC Class B | **ista** ISTA-6 Packaging Certified
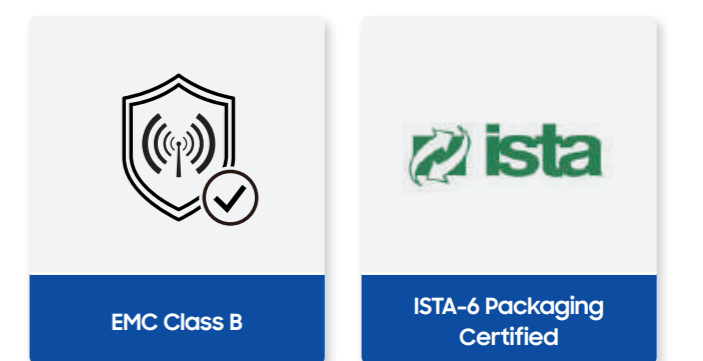
Industry standard certified

Samsung's video wall displays are EMC class B compliant*, which ensures a safe viewing environment by meeting strict standards of electromagnetic wave emission. The display packaging also underwent a rigorous ISTA lab 4-step test and is designed to minimize possible damage during delivery.

*EMC class B certification varies by video wall model.

Business applications

Showroom

Lobby

Auditorium

Meeting room

Control room

Museum

Transportation

Retail

Specifications

Left Table

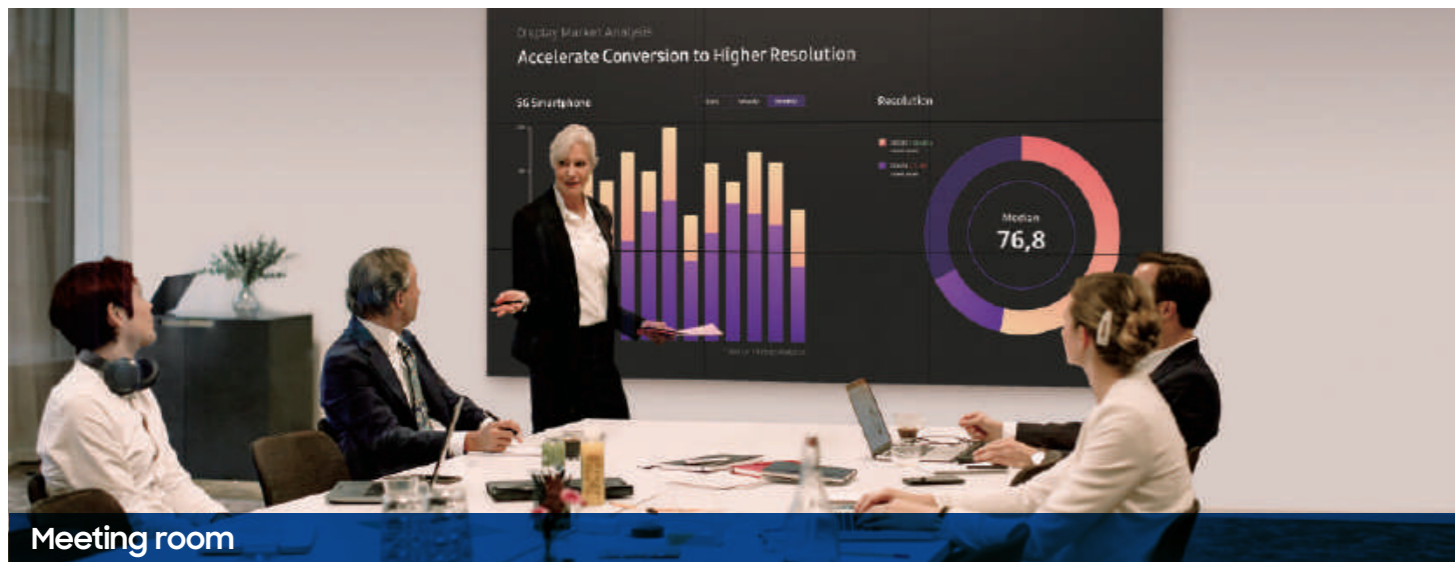| Category			VH55R-R	VH55T-E
Panel	Diagonal Size	Class	55"	55"
		Measured	54.6" / 138.7cm	54.6" / 138.7cm
	Type		IPS	IPS
	Resolution		1920 * 1080	1920 * 1080
	Pixel Pitch(mm)		0.63mm(H) * 0.63mm(V)	0.63mm(H) * 0.63mm(V)
	Active Display Area(mm)		1209.6mm * 680.4mm	1209.6mm * 680.4mm
	Brightness		Max 700 cd/m²	Max 700 cd/m²
	Contrast Ratio		1100:1	1,200:1
	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%
	Operation Hour		24/7	24/7
	Haze		28%	28%
Display	Dynamic C/R		30,000:1	500,000:1
	H-Scanning Frequency		57.3kHz ~ 70kHz	57.3kHz ~ 70kHz
	V-Scanning Frequency		48Hz ~ 75Hz	48Hz ~ 75Hz
	Maximum Pixel Frequency		78MHz	77MHz
Sound	Speaker Type		N/A	N/A
Connectivity	INPUT	RGB	DVI-D, Display Port 1.2	DVI-D, Display Port 1.2
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2
		AUDIO	Stereo mini Jack	Stereo mini Jack
		USB	Only F/W upgrade	Only F/W upgrade
	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)	Detachable type(IR)
	Tuner		N/A	N/A
Power	Type		Internal	Internal
	Power Supply		AC 100 - 240 V~, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Power Consumption	Max[W/h]	270W	270W
		Typical [W/h]	153W	116W
		BTU(Max)	921	921
		Sleep Mode	less than 0.5W	less than 0.5W
		Off Mode	less than 0.5W	less than 0.5W
Mechanical Spec	Dimension (mm)	Set	1211.0 x 681.7 x69.9	1211.0 x 681.7 x 70
		Package	1414.0 x 844.0 x 257.0	1398 x 844 x 257
	Weight (kg)	Set	16.8	19.4
		Package	25.1	27.6
	VESA Mount		600 * 400 (mm)	600 * 400 (mm)
	Protection Glass		N/A	N/A
	Stand Type		N/A	N/A
	Bezel Width (mm)		0.44mm (Even)	0.9mm (Even)
Operation	Operating Temperature		0℃~ 40℃	0℃~ 40℃
	Humidity		10~80%	10~80%
Feature	Key		Razor Narrow Bezel	Extreme Narrow Bezel
	Special		ACM Support(Advanced Color Management), Auto Source Switching & Recovery, Haze 28%, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP1.2 Digital Daisy Chain(Supporting UHD Resolution, HDCP support), Smart F/W update, Clock Battery(168hrs Clock Keeping), IP5X tested, EMC Class B	ACM Support(Advanced Color Management), Auto Source Switching & Recovery, Haze 28%, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP1.2 Digital Daisy Chain(Supporting UHD Resolution, HDCP support), Smart F/W update, Clock Battery(168hrs Clock Keeping), IP5X tested, EMC Class A
	Internal Player (Embedded H/W)		N/A	N/A
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	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 Part15, Subpart B class A, CE (Europe) :EN55022, EN55024, VCCI (Japan) :VCCI CISPR32:2016, KCC (Korea) :KN32, KN35, BSMI (Taiwan) :CNS13438 (CISPR22), C-Tick (Australia) :AS/NZS CISPR32-2015, CCC(China) :GB9254-2008, GB17625.1-2012	FCC (USA) :FCC Part15, Subpart B class A, CE (Europe) :EN55022, EN55024, VCCI (Japan) :VCCI CISPR32:2016, KCC (Korea) :KN32, KN35, BSMI (Taiwan) :CNS13438 (CISPR22), C-Tick (Australia) :AS/NZS CISPR32-2015, CCC(China) :GB9254-2008, GB17625.1-2012
	IP rating		IP5X	IP5X
	Environment		N/A	N/A
accessories	Included		Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR	Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR
	optional	Stand		
		Mount	WMN-55VD	WMN-55VD
		Specialty	N/A	N/A
Media Player Option Type			Signage player box	Signage player box

Right Table

Category			VM55T-E	VM46T-U	VM55T-U
Panel	Diagonal Size	Class	55"	46"	55"
		Measured	54.6" / 138.7cm	45.9" / 116.8cm	54.6" / 138.7cm
	Type		IPS	IPS	IPS
	Resolution		1920 * 1080	1920 * 1080	1920 * 1080
	Pixel Pitch(mm)		0.63mm(H) * 0.63mm(V)	0.53025mm(H) * 0.53025mm(V)	0.63mm(H) * 0.63mm(V)
	Active Display Area(mm)		1209.6mm * 680.4mm	1018.08mm * 572.67mm	1209.6mm * 680.4mm
	Brightness		Max 500 cd/m²	Max 500 cd/m²	Max 500 cd/m²
	Contrast Ratio		1,200:1	1,200:1	1,200:1
	Viewing Angle(H/V)		178/178	178/178	178/178
	Response Time(G-to-G)		8ms	8ms	8ms
	Display Colors		8 bit - 16.7M	8 bit - 16.7M	8 bit - 16.7M
	Color Gamut		72%	72%	72%
	Operation Hour		24/7	24/7	24/7
	Haze		28%	25%	25%
Display	Dynamic C/R		500,000:1	45,000:1	45,000:1
	H-Scanning Frequency		57.3kHz ~ 70kHz	57.3kHz ~ 70kHz	57.3kHz ~ 70kHz
	V-Scanning Frequency		48Hz ~ 75Hz	48Hz ~ 75Hz	48Hz ~ 75Hz
	Maximum Pixel Frequency		77MHz	82MHz	82MHz
Sound	Speaker Type		N/A	N/A	N/A
Connectivity	INPUT	RGB	DVI-D, Display Port 1.2	DVI-D, Display Port 1.2	DVI-D, Display Port 1.2
		VIDEO	HDMI 2.0 (2)	HDMI 2.0 (2)	HDMI 2.0 (2)
		HDCP	HDCP 2.2	HDCP 2.2	HDCP 2.2
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		USB	Only F/W upgrade	Only F/W upgrade	Only F/W upgrade
	OUTPUT	RGB	DP1.2(Loop-out)	DP1.2(Loop-out)	DP1.2(Loop-out)
		VIDEO	N/A	N/A	N/A
		AUDIO	Stereo mini Jack	Stereo mini Jack	Stereo mini Jack
		Power Out	N/A	N/A	N/A
	EXTERNAL CONTROL		RS232C(in/out), RJ45	RS232C(in/out), RJ45	RS232C(in/out), RJ45
	EXTERNAL SENSOR		Detachable type(IR)	Detachable type(IR)	Detachable type(IR)
	Tuner		N/A	N/A	N/A
Power	Type		Internal	Internal	Internal
	Power Supply		AC 100 - 240 V~, 50/60 Hz	AC 100 - 240 V~, 50/60 Hz	AC 100 - 240 V~, 50/60 Hz
	Power Consumption	Max[W/h]	242W	176W	242W
		Typical [W/h]	90W	111W	136W
		BTU(Max)	825	600	825
		Sleep Mode	less than 0.5W	less than 0.5W	less than 0.5W
		Off Mode	less than 0.5W	less than 0.5W	less than 0.5W
Mechanical Spec	Dimension (mm)	Set	1211.0 x 681.7 x 70	1022.1 x 576.6 x 69.9	1211.0 x 681.7 x 73.1
		Package	1398 x 844 x 257	1193 x 719 x 257	1398 x 844 x 257
	Weight (kg)	Set	19.4	15.7	21.2
		Package	27.6	22.2	28.8
	VESA Mount		600 * 400 (mm)	600 * 400 (mm)	600 * 400 (mm)
	Protection Glass		N/A	N/A	N/A
	Stand Type		N/A	N/A	N/A
	Bezel Width (mm)		0.9mm (Even)	2.25mm(U/L), 1.25mm(R/B)	2.3mm(U/L), 1.2mm(R/B)
Operation	Operating Temperature		0℃~ 40℃	0℃~ 40℃	0℃~ 40℃
	Humidity		10~80%	10~80%	10~80%
Feature	Key		Extreme Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel
	Special		ACM Support(Advanced Color Management), Auto Source Switching & Recovery, Haze 28%, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP1.2 Digital Daisy Chain(Supporting UHD Resolution, HDCP support), Smart F/W update, Clock Battery(168hrs Clock Keeping), IP5X tested, EMC Class A	ACM Support(Advanced Color Management), Auto Source Switching & Recovery, Haze 28%, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP1.2 Digital Daisy Chain(Supporting UHD Resolution, HDCP support), Smart F/W update, Clock Battery(168hrs Clock Keeping), IP5X tested, EMC Class A, Center IR	ACM Support(Advanced Color Management), Auto Source Switching & Recovery, Haze 28%, Temperature Sensor, RS232C/RJ45 MDC,Plug and Play (DDC2B), Video Wall(15x15(OSD)), Video Wall Daisy Chain(10x10), Pivot Display, Image Rotation, Button Lock, DP1.2 Digital Daisy Chain(Supporting UHD Resolution, HDCP support), Smart F/W update, Clock Battery(168hrs Clock Keeping), IP5X tested, EMC Class A, Center IR
	Internal Player (Embedded H/W)		N/A	N/A	N/A
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	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	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, SASO (Saudi Arabia) : IEC60950-1
	EMC		FCC (USA) :FCC Part15, Subpart B class A, CE (Europe) :EN55022, EN55024, VCCI (Japan) :VCCI CISPR32:2016, KCC (Korea) :KN32, KN35, BSMI (Taiwan) :CNS13438 (CISPR22), C-Tick (Australia) :AS/NZS CISPR32-2015, CCC(China) :GB9254-2008, GB17625.1-2012	FCC (USA) :FCC Part15, Subpart B class A, CE (Europe) :EN55022, EN55024, VCCI (Japan) :VCCI CISPR32:2016, KCC (Korea) :KN32, KN35, BSMI (Taiwan) :CNS13438 (CISPR22), C-Tick (Australia) :AS/NZS CISPR32-2015, CCC(China) :GB9254-2008, GB17625.1-2012	FCC (USA) :FCC Part15, Subpart B class A, CE (Europe) :EN55022, EN55024, VCCI (Japan) :VCCI CISPR32:2016, KCC (Korea) :KN32, KN35, BSMI (Taiwan) :CNS13438 (CISPR22), C-Tick (Australia) :AS/NZS CISPR32-2015, CCC(China) :GB9254-2008, GB17625.1-2012
	IP rating		IP5X	IP5X	IP5X
	Environment		N/A	N/A	N/A
accessories	Included		Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR	Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR	Quick Setup Guide, Warranty Card, DP cable, stereo to DB9 cable, Power Cord, Remote Controller, Batteries, External IR
	optional	Stand			
		Mount	WMN-55VD	WMN-46VD	WMN-55VD
		Specialty	N/A	N/A	N/A
Media Player Option Type			Signage player box	Signage player box	Signage player box