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SMART Signage

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

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2020-11

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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An immersive viewing experience for any business

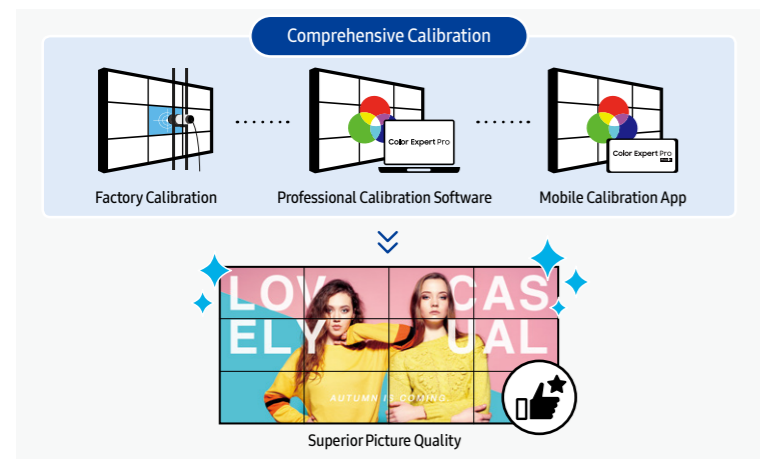
Samsung's VHR-R, VHT-E, VMT-E, VMT-U series video wall displays provide a captivating viewing experience for a wide variety of business settings. The displays' exceptionally slim depth, continuous operation capability and IP5X certification provide endless possibilities for retail stores, office spaces, 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?



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.



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.



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.



	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 —	IP5X ISTA-6A Center IR

Key features



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.

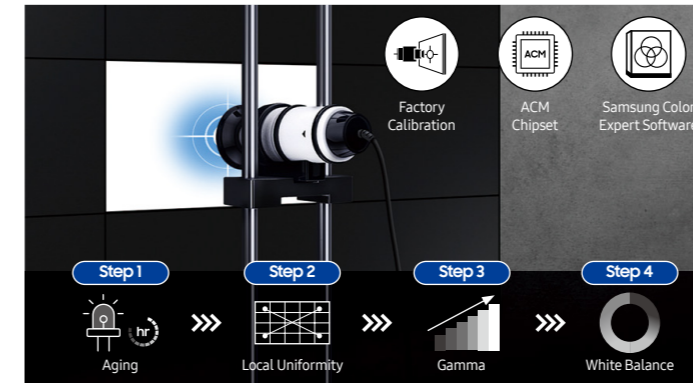
* Bezel width varies by video wall model.



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.



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.



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.



View content from any angle

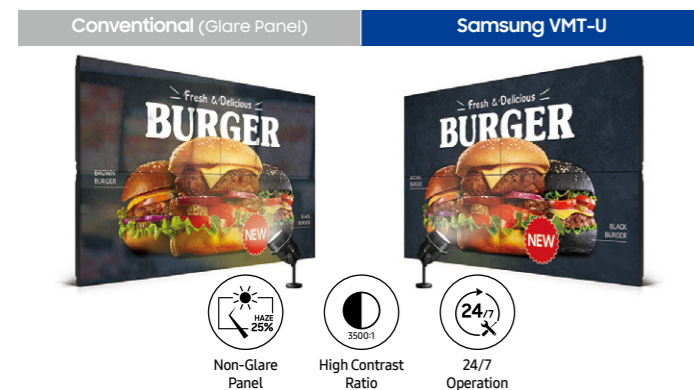
Wide viewing angles mean content is easily visible even if viewers aren't standing directly in front of the display. Audiences can get clear details and vivid colors regardless of where the screen is located.



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.



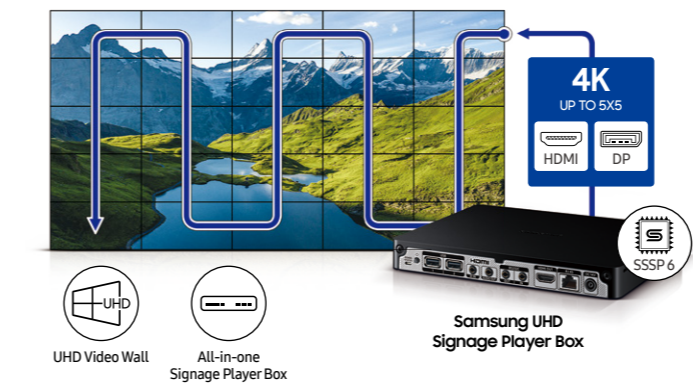
Vibrant images in any light

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.



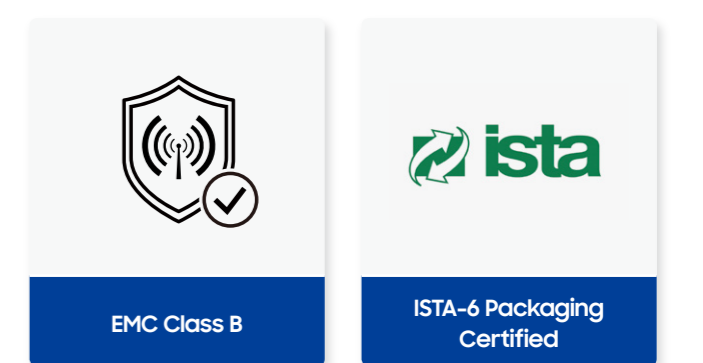
Image enhancement

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.



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.



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



Meeting room



Museum



Transportation



Retail

Specifications

Model			VH55R-R	VH55T-E	
Panel	Diagonal Size	Class	55"	55"	
		Measured	54.6" / 138.7cm	54.6" / 138.7cm	
	Type	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/m ²	Max 700 cd/m ²		
	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	DPI.2(Loop-out)	DPI.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	
Power	EXTERNAL SENSOR	Tuner	N/A	N/A	
		Type	Internal	Internal	
	Power Supply	Power Supply	AC100 - 240 V-, 50/60 Hz	AC100 - 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 x 69.9	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			
Operation	Bezel Width (mm)	0.44mm (Even)	0.9mm (Even)		
	Operating Temperature	0°C - 40°C	0°C - 40°C		
	Humidity	10 - 80%	10 - 80%		
	Key	Razor Narrow Bezel	Extreme Narrow Bezel		
Feature	Special	Key	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), IPSX 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), IPSX tested, EMC Class A	
		Internal Player (Embedded H/W)	N/A	N/A	
Certification	Safety	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) : IEC60950-1, 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) : IEC60950-1, 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) : 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 Part 15, 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	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
			Stand	N/A	N/A
Mount			WMN-55VD	WMN-55VD	
Media Player Option Type	Specialty	N/A	N/A		
Media Player Option Type	Specialty	Signage player box	Signage player box		

Model			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	Type	IPS	IPS	IPS	
		Resolution	1920 * 1080	1920 * 1080	1920 * 1080	
	Pixel Pitch(mm)	0.63mm(H) * 0.63mm(V)	0.63mm(H) * 0.63mm(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/m ²	Max 500 cd/m ²	Max 500 cd/m ²		
	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	DPI.2(Loop-out)	DPI.2(Loop-out)	DPI.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	
Power	EXTERNAL SENSOR	Tuner	N/A	N/A	N/A	
		Type	Internal	Internal	Internal	
	Power Supply	Power Supply	AC100 - 240 V, 50/60 Hz	AC 100 - 240 V-, 50/60 Hz	AC100 - 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			
Operation	Bezel Width (mm)	0.9mm (Even)	2.25mm(U/L), 1.25mm(R/B)	2.3mm(U/L), 1.2mm(R/B)		
	Operating Temperature	0°C - 40°C	0°C - 40°C	0°C - 40°C		
	Humidity	10 - 80%	10 - 80%	10 - 80%		
	Key	Extreme Narrow Bezel	Ultra Narrow Bezel	Ultra Narrow Bezel		
Feature	Special	Key	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), IPSX 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), IPSX 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), IPSX tested, EMC Class A, Center IR	
		Internal Player (Embedded H/W)	N/A	N/A	N/A	
Certification	Safety	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) : IEC60950-1, 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) : IEC60950-1, 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) : IEC60950-1, EN55022, NOM (Mexico) : NOM-019-SCFI-1993, IRAM (Argentina) : IEC60950-1, SASO (Saudi Arabia) : IEC60950-1	
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	IP Rating	IP5X	IP5X	IP5X		
	Environment	N/A	N/A	N/A		
	Accessories	Included	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
			Stand	N/A	N/A	N/A
Mount			WMN-55VD	WMN-46VD	WMN-55VD	
Media Player Option Type	Specialty	N/A	N/A	N/A		
Media Player Option Type	Specialty	Signage player box	Signage player box	Signage player box		