

## SPECIFICATIONS

### AMX ACENDO VIBE CONFERENCING SOUNDBAR

MODEL		ACV-5100
General	Dimensions (HWD)	5 1/4" x 23 1/2" x 4 1/8" (132 mm x 590 mm x 105 mm) Depth without wall mount spacers: 3 15/16" (100 mm) Height without camera: 3" (76 mm)
	Mounting Options	Built-in wall mount. Included rubber feet for tabletop installation
	Regulatory Compliance	FCC 47 CFR Part 15, Subpart C / Subpart B (emissions), CE EN 55024, CE EN 60950-1, IEC 60950-1
Active Power Requirement	Voltage, DC (Typical)	110-240 VAC, 47-63 Hz
Environmental	Temperature (Operating)	32° F to 122° F (0° C to 50° C)
	Temperature (Storage)	-4° F to 158° F (-20° C to 70° C)
	Humidity (Operating)	5% to 85% RH non-condensing
Camera	Resolution	Up to 1920x1080p 30 fps
	Camera Sensor	1/2.7" CMOS sensor
	Field of View (Horizontal)	100°
	Field of View (Vertical)	55°
	Focus	15 cm to Infinity
	Camera Rotation	Can be rotated horizontally 175° (± 5°) in either direction
	Camera Tilt	Down 5° / Up 15°
Connectors	Analog Stereo Input	1/8" mini-Stereo Jack
	Analog Stereo Output	1/8" mini-Stereo Jack
	Optical Stereo Input	TOSLINK
	Power	IEC C8 inlet
	RS-232	3-pin Phoenix connector (mating connector not included)
	USB	Type-B receptacle (USB 2.0)
	HDMI Input	Type A receptacle
	HDMI Output	Type A receptacle
	Motion Sensor Input	3-pin Phoenix connector (mating connector not included)
USB	USB 2.0	Camera, microphones, and speakers connect to PCs using standard UAC/UVC drivers. USB connection used to configure AMX Acendo Vibe using PC application
	Supported	HDCP 1.4
HDMI	Max Resolution	4K30
	Audio Supported	Uncompressed stereo PCM audio
	CEC	CEC display control on output
Audio	Supported	Stereo 10 W/Channel Amplifier, Built-in Acoustic Echo Cancellation
Bluetooth 4.0	Supported Profiles	Hands-Free Profile, Advanced Audio Distribution Profile
Remote Control	Functions Supported	<ul style="list-style-type: none"> <li>• Bluetooth Pairing for mobile devices</li> <li>• Disconnect (Hang Up)</li> <li>• Microphone Mute</li> <li>• Source Select</li> <li>• Volume Up/Down</li> <li>• Volume Mute</li> </ul>

## COMPARISON CHART

FEATURE	STANDARD	PREMIUM	ENTERPRISE	ENTERPRISE PLUS
Display	✓	✓	✓	✓
UHD Display		✓	✓	✓
Camera	✓	✓	✓	✓
Microphone	✓	✓	✓	✓
Premium Audio/Video		✓	✓	✓
Content and conferencing platform (no user device needed)			✓	✓
Touch Interface (no peripherals needed)				✓

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## SAMSUNG-HARMAN HUDDLE ROOM BUNDLE SOLUTIONS

Facilitate More Effective Collaboration Through All-in-One Meeting Room Solutions

One of the effects of having a global workforce is that it is challenging for business leaders to simply walk up and call a group together in a single location on short notice. The dynamic nature of today's remote workforce demands advanced technologies that can extend communication beyond the physical office and ensure that all parties can fully participate.

Samsung and HARMAN have revolutionized collaboration through unified audio and visual display solutions that enliven business and maintain a smooth and productive workday – regardless of team member location. These joint technologies supply employees in the room or around the world with the crisp, clear video and pristine audio necessary to conduct seamless video conferencing, encouraging them to collaborate with document sharing, advanced connectivity and versatile implementation features.

Collaboration no longer requires a group of people huddled around a single cell phone or laptop. Trust Samsung and HARMAN to foster an optimal working environment for your business and dial into the meeting room of the future.

### HIGHLIGHTS

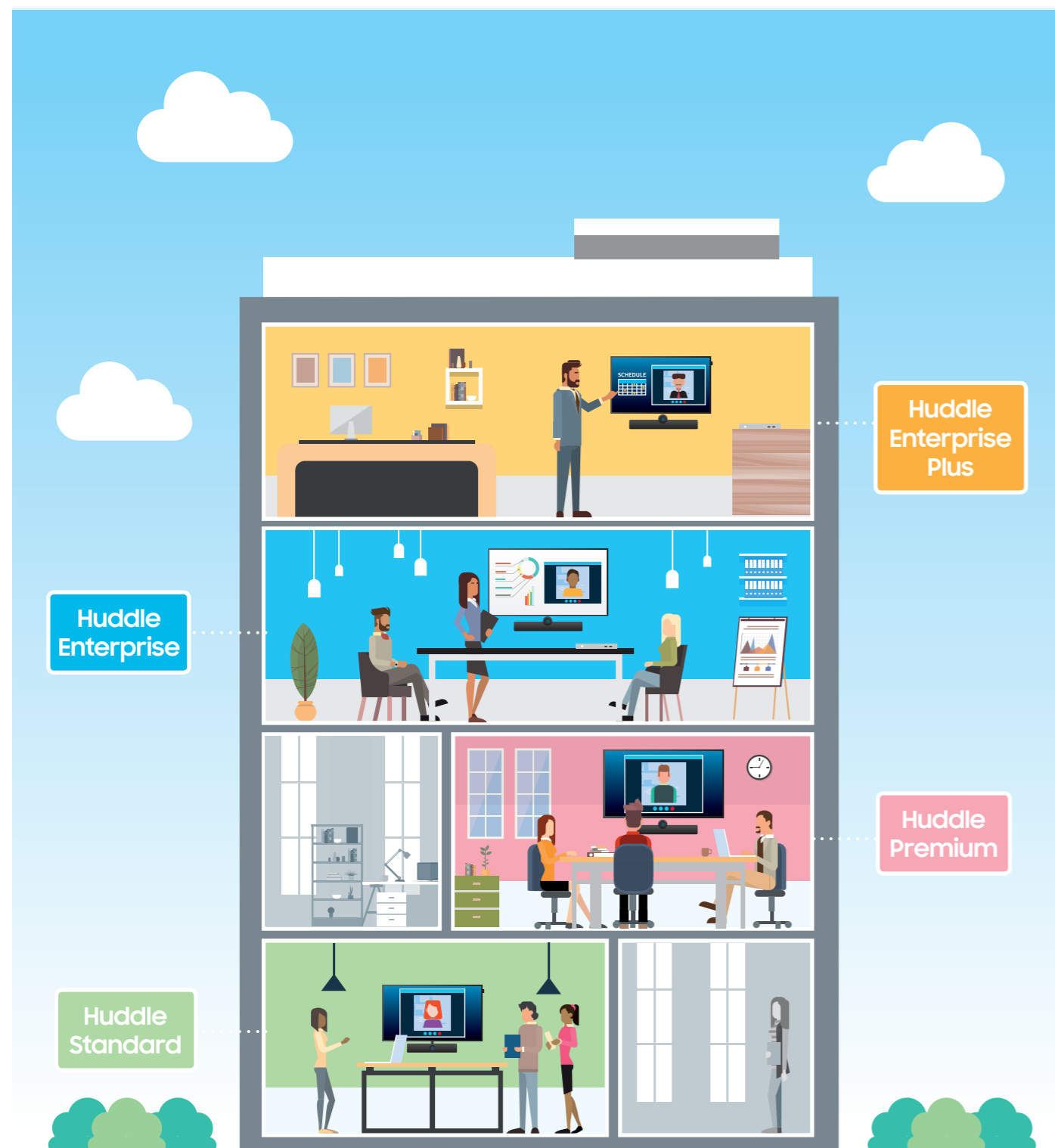
- Facilitate productive collaboration with integrated audio, video and meeting management technologies
- Accommodate remote employees through crystal-clear sound and picture
- Capture wide views to align live and remote participants
- Drive clear, uninterrupted video conferencing
- Optimize collaborative space in potentially-restricted work environments
- Eliminate maintenance complexity through single-source, all-in-one designs

## WHAT IS HUDDLE SPACE?

### THE HUDDLE SPACE: THE NEW FACE OF PRODUCTIVITY

Huddle spaces, designed to encourage brief conversation among small groups, can take on a variety of looks and dimensions. Any location that facilitates productive, collaborative discussions between small groups can be a huddle space – whether that is two individuals talking around a break room table or a group reviewing a presentation in a traditional conference room.

The versatility of the huddle space can also create challenges. With varying budgets, team sizes and operational parameters, businesses require huddle room technologies that are customizable and suit their unique needs. Additionally, office space has become more of a luxury in recent years, forcing some businesses to divide (or eliminate altogether) large conference rooms to conserve space.



## WHY SAMSUNG & HARMAN?

### SAMSUNG AND HARMAN: SHAPING THE FUTURE OF WORK

The combination of Samsung's leading visual display technologies and HARMAN's pioneering audio and video technology produces complete, high-performing solutions possible for the modern huddle space. These fully-integrated meeting bundles provide everything necessary to conduct a seamless and efficient meeting, reducing set-up and ensuring that discussions start and end on time. Likewise, a range of features that include video conferencing support, document sharing, and more accommodates any desired meeting type.



## INTRODUCING SAMSUNG & HARMAN BUNDLE SOLUTIONS

### CUSTOMIZABLE BUNDLES FOR ANY BUSINESS ENVIRONMENT

Whatever the meeting room size or collaborative technology needs, Samsung and HARMAN have a solution ready to elevate day-to-day operations. Through a host of bundle options, business users can select from a wide range of Samsung's visual display technologies and HARMAN's audio and video collaboration solutions. These customizable bundles bring superb picture quality and sharp, clear audio to small, mid-sized and large huddle spaces alike, all without overwhelming users or requiring significant space.



## Huddle Standard

### Essential Collaboration Performed More Efficiently

Designed for small huddle rooms and communal workspaces, Samsung and HARMAN's Huddle Standard bundle accommodates fundamental collaborative needs. Facilitators and participants can leverage Samsung's professional grade DCJ Series display (49- and 55-inch variations) to deliver laptop-based business content at high picture quality and clarity. The DCJ Series displays work in conjunction with HARMAN's AMX Sereno video conferencing camera and users' laptops to gather live and virtual participants through an ultra-wide 120-degree field of view. With the AMX Sereno's built-in shutter and electronic microphone disconnect, the Huddle Standard bundle also strengthens meetings through added layers of security.

HUDDLE STANDARD    Essential Solution



SAMSUNG	DCJ Series
HARMAN	AMX Sereno Video Conferencing Camera

WHAT TO BRING	ADVANTAGES
 Computer	 Laptop
 Camera	 Microphone

WHAT TO BRING	ADVANTAGES
 Laptop or mobile device	   Camera    Microphone    Premium Audio & Video



Meeting Room Floor

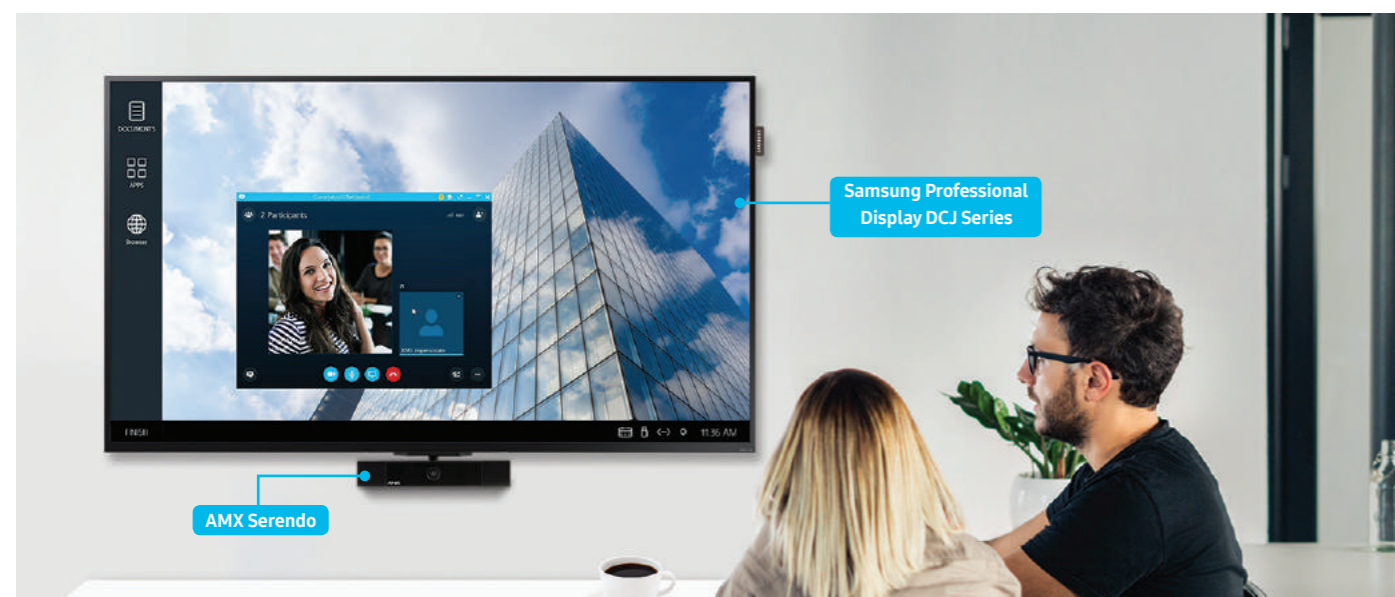


Most Cost-Effective Option



Basic Features

This cost-effective, yet high-performing solution is ideal for communal workspaces and aligns Samsung's DCJ Series professional-grade displays with HARMAN's AMX Sereno video conferencing camera for a wide, interruption-free view.

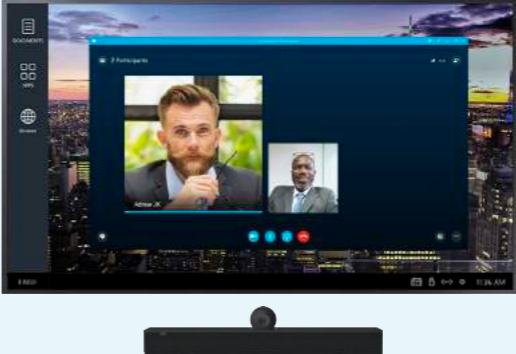


## Huddle Premium





### Build a Smarter Conference Room with Next-Level Audio and Video





Intuitive and sophisticated, Samsung and HARMAN's Huddle Premium bundle creates new opportunities to customize collaboration. The combination of Samsung's UHD-quality QMH Series displays (49- and 55-inch variations) and HARMAN's AMX Acendo Vibe conferencing sound bar brings meeting content to life in ways not previously possible with a basic laptop. This package offers Bluetooth and USB connectivity that allows facilitators and participants to enjoy seamless audio, video and content streaming using their own devices. This compatibility, along with remote-free activation and crystal-clear engagement, make Huddle Premium the best choice for BYOD-friendly small- and mid-sized meeting spaces.


HUDDLE PREMIUM    Versatile Solution




SAMSUNG	QMH Series
HARMAN	AMX Acendo Vibe

WHAT TO BRING	ADVANTAGES
 Laptop or mobile device	   Camera    Microphone    Premium Audio & Video


WHAT TO BRING	ADVANTAGES
 Computer	 Laptop
 Camera	 Microphone




Small/Mid-Size Meeting Room



Best Solution for BYOD – Connect via Bluetooth or USB



Superb UHD Picture Quality and Sound by JBL



Leading industrial Design

Ideal for BYOD-ready small- and mid-sized huddle spaces, this versatile bundle brings business content to life through Samsung's UHD-quality QMH Series displays and HARMAN's AMX Acendo Vibe conferencing sound bar. The Huddle Vibe bundle allows participants to connect personal devices through Bluetooth or USB, ensuring that everyone remains engaged and can be seen and heard.









## Huddle Enterprise


### Introduce Personalized Content into Any Conversation

A premium option for customer-facing collaboration, the Huddle Enterprise bundle eases both preparation and execution within mid-sized huddle spaces. The Huddle Enterprise bundle builds upon the Huddle Premium through the integration of HARMAN's AMX Acendo Core business communication platform, enabling users to book rooms from within the meeting space. Once meetings initiate, the Acendo Core platform facilitates convenient document exchange, multi-screen sharing and one-touch Skype for Business interaction to keep all participants informed and engaged. By condensing all required equipment to a single bundle, Huddle Enterprise allows users to participate in local and remote meetings without bringing anything into the room.

HUDDLE ENTERPRISE    Smart Conference Room

SAMSUNG	QMH Series	
HARMAN	AMX Acendo Vibe, AMX Acendo Core	
WHAT TO BRING	ADVANTAGES	
 Mouse  Keyboard	 Camera  Microphone  Premium Audio & Video  No Device Needed	

-   
**Premium Option for Mid-Sized Meeting Room**
-   
**Built-In Meeting Controls and Document Viewing – No Computer Needed**
-   
**Integrates with Room Calendar for one Touch Meeting Start**

This bundle is the foundation for the “Smart Conference Room,” building upon the Vibe package with the addition of HARMAN’s Acendo Core business communications platform. A premium option for mid-sized meeting rooms, the Huddle Core offering empowers seamless web conferencing and document viewing through built-in meeting management.



## Huddle Enterprise Plus

### Expand Collaboration through All-in-One, Touch-Driven Interaction

The Huddle Enterprise Plus bundle offers an all-inclusive, interactive collaboration solution for C-suite executives who prefer the flexibility to hold meetings within their own office or collaborative space. The Huddle Enterprise Plus bundle brings HARMAN's AMX Acendo Vibe sound bar and AMX Acendo Core meeting platform together with Samsung's touch-enabled PMF-BC Series displays for a truly interactive space. This package elevates the traditional white board experience with multiple touch points and a wide-view camera, allowing all meeting participants to engage in real time. As a result, neither facilitators nor participants need to bring any external devices or materials to the meeting, making Huddle Enterprise Plus the optimal bundle for convenient, rich impromptu collaboration.

HUDDLE ENTERPRISE PLUS    All-In-One Interactive Collaboration Solution





SAMSUNG	PMF-BC Series (Touch-enabled)	
HARMAN	AMX Acendo Vibe, AMX Acendo Core	
WHAT TO BRING	ADVANTAGES	
 No Device Needed	 Camera  Microphone  Premium Audio & Video  No Device Needed  No peripherals needed	

-   
**Near-Desk Area / C-level Private Meeting Room**
-   
**All-In-One Package (no peripherals needed)**
-   
**Impromptu/ Rich Collaboration**

For environments both reliant on short-notice collaboration and welcoming to C-suite level meetings, the Huddle Interactive bundle provides a thoroughly effective option. Featuring the Acendo Vibe and Core platforms in conjunction with Samsung’s PMF-BC interactive white board, this package facilitates touch-driven interaction without requiring multiple monitors or devices.

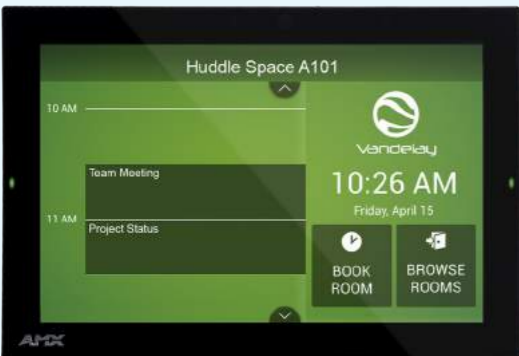



## ALSO AVAILABLE: ROOM BOOKING


### EVERYTHING YOU NEED TO LOCATE AND BOOK ROOMS QUICKLY AND EASILY

Bring the same great scheduling experience from the Acendo Core solution to outside the room with HARMAN's AMX Acendo Book scheduling panels. The ideal solution for mounting outside of conference rooms and boardrooms, Acendo Book scheduling panels help locate available meeting spaces at a glance. The user interface background colour and built-in room availability bars change between red and green to show room availability, allowing users to easily locate and book an available room directly from the panel. If the room is currently booked, users can quickly locate the nearest available room or the next available time with ease. Acendo Book integrates directly into Microsoft Exchange, Office 365, and Google Calendar, and is simple to install and configure. Acendo Book can be mounted on any flat surface, including glass or stone, inside or outside conference room or classroom.



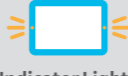

ROOM BOOKING
Room Scheduling Panel







**No Device Needed**

HARMAN	AMX Acendo Book	
WHAT TO BRING	ADVANTAGES	
 <p><b>Book the Room Directly on the Panel</b></p>	 <p><b>Find Other Available Rooms</b></p>	
 <p><b>Indicator Lights Show If Room Is Available</b></p>	 <p><b>Mount Virtually Anywhere, Including Glass</b></p>	

AMX Acendo Book scheduling panels display everything you need to locate and book rooms easily and quickly. Reserve a room, extend a room reservation, or search for an available room nearby, right from the panel.



## SPECIFICATIONS

MODEL		DC43J	DC49J	DC55E
Panel	Diagonal Size	43	49	55
	Class Measured			54.6" / 138.7cm
	Type	60Hz D-LED BLU	60Hz D-LED BLU	60Hz D-LED BLU
	Resolution	1920x1080 (16:9)	1920x1080 (16:9)	1920x1080 (16:9)
	Pixel Pitch (mm)	0.16333(H) x 0.49005(V)	0.18642(H) x 0.55926(V)	0.21(H) x 0.63(V)
	Active Display Area	940.89(H) x 529.25(V)	1073.78(H) x 604.00(V)	1209.6(H) x 680.4(V)
	Brightness(Typ.)	300nit	300nit	350nit
	Contrast Ratio (Typ.)	3000:1	3000:1	5000:1
	Viewing Angle(H/V)	178-178	178-178	178-178
	Response Time (G to G)	8ms	8ms	6ms
	Display Colors	16.7 M	16.7 M	16.7 M
	Color Gamut	72%	72%	72%
Operation Hour	16/7	16/7	16/7	
Haze	2%	2%	2%	
Display	Dynamic C/R	MEGA	MEGA	MEGA
	H-Scanning Frequency	30 ~ 81kHz	30 ~ 81kHz	30 ~ 81kHz
	V-Scanning Frequency	48 ~ 75Hz	48 ~ 75Hz	48 ~ 75Hz
	Maximum Pixel Frequency	148.5MHz	148.5MHz	148.5MHz
Sound	Speaker Type	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)	Built in Speaker(10W + 10W)
	INPUT	DVI-I	DVI-I	D-SUB, DVI-D
		HDMI 1.4 (2), Component(CVBS Common)	HDMI 1.4 (2), Component(CVBS Common)	HDMI 1.4 (2), Component(CVBS Common)
HDCP		HDCP1.4	HDCP1.4	
Connectivity	AUDIO	Stereo Mini Jack, RGB/DVI/HDMI/CVBS/Component Audio(Common)	Stereo Mini Jack, RGB/DVI/HDMI/CVBS/Component Audio(Common)	Stereo Mini Jack, RGB/DVI/HDMI/CVBS/Component Audio(Common)
		USB	USB 2.0 x 1	USB 2.0 x 1
		RGB	N/A	N/A
	OUTPUT	VIDEO	N/A	N/A
		AUDIO	Stereo Mini Jack	Stereo Mini Jack
		Power Out	N/A	N/A
	EXTERNAL CONTROL	RS232C(in) thru stereo jack, RJ45	RS232C(in) thru stereo jack, RJ45	RS232C(in) thru stereo jack, RJ45
		EXTERNAL SENSOR	IR	IR
		Tuner	Yes(only for NA/KR)	Yes(only for NA/KR)
	Power	Type	Internal	Internal
Power Supply		AC100 - 240 V~ (+/- 10 %), 50/60 Hz	AC100 - 240 V~ (+/- 10 %), 50/60 Hz	
Power Consumption		On mode [W]	TBD	TBD
		Sleep mode	less than 0.5W	less than 0.5W
Mechanical Spec	Dimension(mm)	Set	985.5 X 574.8 X 73.4	1118.8 X 650.0 X 74.2
		Package	1099 X 672 X 156	1236 X 750 X 161
	Weight (kg)	Set	7.9	10.2
		Package	11.6	14.8
	VESA Mount	200*200mm	200*200mm	
	Protection Glass	N/A	N/A	
Operation	Stand Type	Foot Stand (Optional)	Foot Stand (Optional)	
	Bezel Width (Top/Side/Bot) (mm)	17.3(Top), 18.3(Bottom), 21.3(Side)	17.4(Top), 18.5(Bottom), 21.5(Side)	
	Operating Temperature	0°C~ 40°C	0°C~ 40°C	
	Humidity	10~80%	10~80%	
Feature	Special	H/W	Super Clear Coating, Temperature Sensor, Pivot Display, Button Lock, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2)	Super Clear Coating, Temperature Sensor, Pivot Display, Button Lock, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2)
		S/W	Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug and Play (DDC2B), Built In MagicInfo Lite, Firmware Update by Network	Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug and Play (DDC2B), Built In MagicInfo Lite, Firmware Update by Network
Internal Player (Embedded H/W)	Processor	MIPS 24K	MIPS 24K	MIPS 24K
		On-Chip CacheMemory	L1 : 16KB/16KB L2 : 128KB	L1 : 16KB/16KB L2 : 128KB
	Clock Speed	650MHz	650MHz	650MHz
		Main Memory Interface	512MB	512MB
	Graphics	N/A	N/A	
		Storage (FDM)	179MB	179MB
	Multimedia	N/A	N/A	
		IO Ports	N/A	N/A
	Operating System	Samsung Proprietary OS(VDLinux)	Samsung Proprietary OS(VDLinux)	
	Certification	Safety	- CB (Europe) : IEC60950-1/EN60950-1 / - CCC (China) : GB4943.1-2011 - PSB (Singapore) : PSB+IEC60950-1 / - NOM (Mexico) : NOM-001-SCFI-1993 - IRAM (Argentina) : IRAM+IEC60950-1 / - SASO (Saudi Arabia) : SASO+IEC60950-1 - BIS(India) : IEC60950-1 / IS13252 - NOM(Mexico) : Tunerless - NOM-019-SCFI-1998 - KC(Korea) : K 60950-1 - EAC(Russia) : EAC+IEC60950-1 - INMETRO(Brazil) : INMETRO+IEC60950-1 - BSMI(Taiwan) : BSMI+IEC60950-1 - RCM(Australia) : IEC60950-1/AS/NZS 60950-1 - CSA (Canada) : cUL / - UL(USA) : cUL60950-1 / - TUV (Germany) : CE - NEMKO (Norway) : CE	- FCC (USA) Part 15, Subpart B Class A - CE (Europe) : EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 - VCCI (Japan) : VCCI V-3 /2010.04 Class A - KCC/EK (Korea) : Tunerless : KN22 / KN24 - BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) CNS14972 (Digital) - C-Tick (Australia) : AS/NZS CISPR22:2009 - CCC(China) : GB9254-2008, GB17625.1-2012 - GOST(Russia/CIS) : GOST R 51317 Series, GOST 22505-97, EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003
EMC			- FCC (USA) Part 15, Subpart B Class A - CE (Europe) : EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 - VCCI (Japan) : VCCI V-3 /2010.04 Class A - KCC/EK (Korea) : Tunerless : KN22 / KN24 - BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) CNS14972 (Digital) - C-Tick (Australia) : AS/NZS CISPR22:2009 - CCC(China) : GB9254-2008, GB17625.1-2012 - GOST(Russia/CIS) : GOST R 51317 Series, GOST 22505-97, EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003	
Accessories	Included	ENERGY STAR 7.0 Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, RS232C(IN) adapter		
		Optional	Stand Mount Specialty Media Player	STN-L3240E STN-L3240E STN-L4655E WMN4270SD CML450D SBB



## SPECIFICATIONS

MODEL		QM49H	QM55H	QM65H	PM55F-BC		
Panel	Diagonal Size	49	55	65	55		
	Class Measured	48.5" / 123.2cm	54.6" / 138.7cm	64.5" / 163.8cm	54.6" / 138.7cm		
	Type		60Hz E-LED BLU		60Hz E-LED BLU		
	Resolution		3840x2160(16:9)		1920x1080(16:9)		
	Pixel Pitch (mm)	0.093 x 0.279 (mm)	0.105 x 0.315 (mm)	0.124 x 0.372 (mm)	0.630(H) x 0.630(V)		
	Active Display Area	1073.78(H) x 604.0(V)	1209.60(H) x 680.40(V)	1438.48(H) x 814.52(V)	1209.6(H) x 680.4(V)		
	Brightness(Typ.)		500nit		400nit (w/ Touch Glass)		
	Contrast Ratio (Typ.)		4000:1		4000:1		
	Viewing Angle(H/V)		178/178		178 / 178		
	Response Time (G to G)		8ms (Typ)		6ms (Typ)		
	Display Colors		16.7M(True Display), 1.07B(Dithered 10bit)		1.07B(Dithered 10bit)		
	Display	Color Gamut		72%		72%	
Operation Hour			24/7		24/7		
Haze			25%		25% (Panel), 15% (Glass)		
Dynamic C/R			Mega		Mega		
H-Scanning Frequency			30 ~ 81kHz		30 ~ 81kHz		
V-Scanning Frequency			48 ~ 75Hz		48 ~ 75Hz		
Maximum Pixel Frequency			594MHz		148.5MHz		
Connectivity		Speaker Type		Built in Speaker(10W + 10W)		Built in Speaker(10W + 10W)	
		INPUT	RGB		DVI-D, Display Port 1.2 (1)		DVI-I(D-Sub Common), Display Port 1.2
			VIDEO		HDMI 2.0 (2)		HDMI 2.0 (2)
			HDCP		HDCP2.2		HDCP 2.2
		OUTPUT	AUDIO		Stereo mini Jack, DVI, HDMI		Stereo mini Jack, RGB/DVI/HDMI
	USB			USB 2.0 x 2		USB 2.0 x 2 (1 Used for Touch)	
	Power Out			N/A		N/A	
	EXTERNAL CONTROL		RS232C(in/out), RJ45		USB Type-B x 2 (Touch Sensor Data, PC1 / SoC 1)		
	EXTERNAL SENSOR		IR		RS232C(in/out) thru Stereo Jack, RJ45		
	Tuner		N/A		N/A		
	Type		Internal		Internal		
	Power Supply		AC 100 - 240 V- (+/- 10 %), 50/60 Hz		AC 100 - 240 V (+/- 10 %), 50/60 Hz		
Power Consumption	On mode [W]	101(Typical), 140(Rating), 154(Max)	111(Typical), 150(Rating), 165(Max)	125(Typical), 180(Rating), 198(Max)	125(Typical), 187(Max)		
	Sleep mode		less than 0.5W		less than 0.5W		
	Off mode		less than 0.5W		less than 0.5W		
Mechanical Spec	Dimension(mm)	1099.4 x 634.0 x 36.8	1235.3 x 710.4 x 36.8	1456.1 x 835.6 x 37.5	1,248.4 x 733.4 x 58.4		
	Weight (kg)	13.7	17.1	22.8	26.6		
	VESA Mount		400x400		400x400		
	Protection Glass		N/A		3.2T Semi-Tempered Touch Glass		
Operation	Stand Type		Foot Stand (Optional)		Foot Stand (Optional)		
	Bezel Width (Top/Side/Bot) (mm)	11.0/11.0/12.0	11.0/11.0/12.0	12.0/12.0/12.0	25.0/179/25.0		
	Operating Temperature		0°C- 40°C		0°C- 40°C		
	Humidity		10~80%		10~80%		
Feature	Key		UHD Signage Display Slim & Light Signage with Built-in MagicInfo S5, SSSP 5.0		Slim & Light Signage with Built-in MagicInfo S4, SSSP 4.0, Cap-Touch		
	Special	H/W		Temperature Sensor,Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W 2ch), Video Wall Daisy Chain(HDCP2.2:4EA,HD-CP1.4:7EA), IP5x, Wi-Fi/BT		Non Glare Touch Panel, Temperature Sensor, Video Wall(15x15(OSD)), Video Wall Daisy Chain(16), Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2), WiFi Module Embedded, Tuner(only for NA), Center IR	
		S/W		Auto Source Switching & Recovery, LFD Home UI, Button Lock, Hot key option, Plug&Play (Initial Setting)		Magic Clone(to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug and Play, PIP/PBPI(Only for NA), Image Rotation, Button Lock, DP1.2 Digital Daisy Chain(HDCP Support), Firmware Update by Network, New Home Screen, PC-less VideoWall(external source only), Multi Channel, Mobile Control, Event Schedule, Backup Player	
	Internal Player (Embedded H/W)	Processor		Coretex A72 1.7GHz Quad-Core CPU		Cortex-A12 1.3GHz Quad Core CPU	
		On-Chip Cache/Memory		L1 Instruction Cache : 48KB, L1 Data Cache : 32KB, L2 Cache : 2MB		L1 (I/D) : 32KB / 32KB, L2 (Unified) : 1MB	
	Feature	Clock Speed		1.7GHz Quad-Core CPU		1.3GHz CPU Quad	
		Main Memory Interface		3GB, 3ch 64bit LPDDR4 1.6GHz		2.5GB, 3 channel 96bit DDR3-933 (1866MHz)	
		Graphics		2D & 3D Graphic Accelerator		2D & 3D Graphics Engine	
		Storage (FDM)		8GB (3.88GB Occupied by O/S, 4.12GB Available)		8GB (3.75GB Occupied by O/S, 4.25GB Available, )	
		Multimedia		Video Decoder - MPEG-1/2/4, H.263, H.264/AVC - UHD H.264/AVC, VC-1, AVS/AVS+, MVC - VP8, VP9, HEVC, JPEG Audio DSP(Decoder) - MPEG, AC3, AC4, DD, MP3 and etc		Video Decoder - MPEG-1/2/4, H.263, H.264/AVC, UHD H.264/AVC - VC-1, AVS+, HEVC, JPEG, PNG,VP8, VP9 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.	
		IO Ports		USB 2.0		USB 2.0	
		Operating System		Tizen 3.0 (VDLinux)		Tizen 2.4 (VDLinux)	
Safety	Certification				CB (Europe) : IEC60950-1/EN60950-1 / CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 / NOM (Mexico) : NOM-001-SCFI-1993 IRAM (Argentina) : IRAM+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 / BIS(India) : IEC60950-1 / IS13252 / NOM(Mexico) : Tuner : NOM-001-SCFI-1993 Tunerless : NOM-019-SCFI-1998 / KC(Korea) : K 60950-1 EAC(Russia) : EAC+IEC60950-1 INMETRO(Brazil) : INMETRO+IEC60950-1 BSMI(Taiwan) : BSMI+IEC60950-1 RCM(Australia) : IEC60950-1/AS/NZS 60950-1 / UL(USA) : cUL60950-1 CSA (Canada) : cUL / TUV (Germany) : CE / NEMKO (Norway) : CE		
			60950-1				
EMC	Environment		Class A		FCC (USA) Part 15, Subpart B Class A CE (Europe) : EN55022:2006+A1:2007, EN55024:1998+A1:2001+A2:2003 VCCI (Japan) : VCCI V-3 /2010.04 Class A KCC/EK (Korea) : Tuner : KN13 / KN20 / Tunerless : KN22 / KN24 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A /CNS13439 (AV EMI) / CNS14409 (AV EMS) / wCNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 CCC(China) : GB9254-2008, GB17625.1-2012 GOST (Russia/CIS) : GOST R 51317 Series, GOST 22505-97 EN55022:2006+A1:2007 , EN55024:1998+A1:2001+A2:2003		
			ENERGY STAR 7.0		N/A		
Accessories	Included Applications	Included	Quick Setup Guide, Warranty Card, Power Cord, Remote Controller, Batteries		Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, RS232C(IN) Gender, Cover Jack, USB Cable		
		Optional	STN-L4655E WMN4270SD CLM450D SBB		STN-L4655E WMN4270SD N/A SBB		

## SPECIFICATIONS

### AMX SERENO VIDEO CONFERENCING CAMERA

MODEL		NMX-VCC-1000
General	Dimensions (HWD)	1 3/4" x 7 1/2" x 1 1/2" (43.7 mm x 190 mm x 38.6 mm)
	Weight	0.4 lbs (0.18 kg)
	Mounting Options	Includes a swivel base that can be used to mount the camera above or below as display (swivel base includes a female threaded tripod mount receptacle)
Power Consumption	Watts	5V / 500mA Max
Camera	Resolution	Up to 1920x1080p 30 fps
	Encoding Format	H.264/MJPEG/YUY2
	Field of View	120 Degree Wide Angle
	Digital Zoom	4x Digital Zoom
	Focus	15cm to Infinity
Connectors	Microphones	Dual with beamforming technology
	Security Features	Built-in privacy shutter that blocks lens and physically disconnects microphones
Connectors	Interfaces	USB 2.0 High Speed UVC

### AMX ACENDO CORE MEETING SPACE COLLABORATION SYSTEM

MODEL		ACR-5100
General	Dimensions (HWD)	1 3/16" x 7 1/16" x 7 15/16" (30 mm x 180 mm x 201 mm)
	Mounting Options	Install on table or use included Surface Mount Accessory for installation behind display or under table.
	Regulatory Compliance	FCC 47 CFR Part 15, Subpart C / Subpart B (emissions), UL 60950-1, CE EN 55024, CE EN 60950-1, IEC 60950-1
Active Power Requirement	Voltage, DC (Typical)	60950-1, IEC 60950-1
	Power Consumption (Max)	12 VDC
Power Supply	Power Connector	60 W
	Input Voltage	100 – 240 VAC, 50 - 60 Hz
Environmental	Output Voltage	12 VDC
	Temperature (Operating)	32° F to 104° F (0° C to 40° C)
	Temperature (Storage)	-4° F to 158° F (-20° C to 70° C)
	Humidity (Operating)	5% to 85%, non-condensing
Connectors	Power Connector	5.5 mm barrel connector
	USB	4x USB 3.0 Type A connector (back), 2x USB 2.0 Type A connector (front)
	HDMI	2x HDMI Type A connector
	Ethernet	2x RJ-45 connector for Gigabit Ethernet
	Analog Stereo Input	1/8" mini-Stereo Jack
	Analog Stereo Output	1/8" mini-Stereo Jack
	HDMI Input	Type A receptacle
HDMI	Supported	1.4b
	Resolution	Up to 4K30
Wireless	Bluetooth	4.0
	WiFi	802.11 a/b/g/n/ac
Compute Performance	CPU	Intel Celeron N3160
	RAM	4 GB
Supported Calendar Systems	DISK	128 GB minimum
	Supported Calendar Systems	Microsoft Exchange 2013 SP1 or higher, Exchange 2016, Exchange Online (Office 365)
Included Applications	Included Applications	<ul style="list-style-type: none"> <li>Viewers for Microsoft PowerPoint, Word, Excel, and Adobe PDF documents</li> <li>Viewers for images and videos</li> <li>Microsoft Edge web browser</li> <li>Skype for Business Client (note: customers will need to supply a Skype for Business user account for each Acendo Core)</li> <li>The Acendo Core supports a wide array of Windows and web-based applications and can be fully customized for an enterprise deployment</li> </ul>