SAVANT IP VIDEO & AUDIO

Thrill the Audience with Savant IP Solutions





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IP VIDEO

Savant 4K-Over-IP is an advanced, high-speed, scalable solution that fits equally in small and large video distribution systems. Audio Down-mixing and advanced video processing enable Savant IP Video and Audio distribution solutions to deliver any video and/or audio source to any room.

HIGH-PERFORMANCE ENTERTAINMENT

Distribute pristine pixel perfect video at the highest resolutions, and clean, clear audio from source to speaker. Deliver scalable and reliable custom systems that live up to the Savant name.



ONLY FROM SAVANT

Savant IP Video combines the latest in 10GbE networking with proprietary technology to distribute exact uncompressed video with zero frame latency at the most commonly used 4K resolutions*. Includes support for HDCP 2.2 and HDMI 2.0a with HDR**.



Savant pioneered reliable, fast switching HDMI distribution with audio and uses the same technology to deliver synchronized video and audio content to any room over IP.

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SUPER SCALE

Use Savant IP Audio and Video for your largest distribution jobs. System size is only bounded by the network. Simply add more Savant IP transmitters or receivers on the network to add a new source or display to the system.





BRING THE AUDIO

Only Savant provides solutions for simultaneous audio distribution over IP. Options available to down-mix surround audio to 2 channel and distribute over the AVB/TSN network, or use PCM audio.



ROCK SOLID RELIABILITY

AT YOUR COMMAND

Includes Savant control ports for each input and output. With support for Video Tiling, format locking per display, video down-conversion and EDID management, Savant IP video ensures you are always in command.

FUTURE PROOF

10GbE network bandwidth ensures that your video distribution system will be ready for whatever tomorrow brings.

IP VIDEO TILING - ONLY FROM SAVANT

Display multiple sources on a screen, simply control sources and choose audio, create presets, add to Savant Scenes and much more.



SEE IT ALL

Savant's unique control interface makes multiple views simple and intuitive. Select from predefined layouts, drag a tile to move views, double tap to expand a particular source, or press and drag the audio icon to choose which source to listen to.





CONTROL AT YOUR FINGERTIPS

Tap on any tile to bring up the control interface for that source. Whether it's streaming, cable, satellite, or your favorite gaming console, Savant's advanced interface determines the right controls for that source.



VIDEO TILING ANYWHERE

With Savant's IP Video solutions, Video Tiling is available on any display connected to the IP Video system, either with the same view or each with an independent view.

ALL YOUR FAVORITES

Access all your favorite channels at a touch. Save certain views with predefined layouts, channels and sources. Keep one for all your morning information, one for your work day, and another for game day, the choice is yours.

VIDEO INPUTS

Video Inputs take sources and transmit them to the 10Gb Video network

VIDEO OUTPUTS

Video Outputs receive video from the 10Gb network and output them to TVs and projectors



3U

Rack Height

3U







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Туре	Video Transmitter 4 or 8 Input	Video Transmitter 4 or 8 Input	Video Transmitter Single Input	Video Transmitter Single Input	Video Transmitter Single Input
Model Number	PAV-VIM4S / PAV-VIM8S	PAV-VIMAP4S / PAV-VIMAP8S	PAV-VIM1C	PAV-VIMVP1C	PAV-VIMVP1F
		Conne	ctivity		
IR Control Ports	4 / 8 (1 Per Source)	4 / 8 (1 Per Source)	1	1	1
RS232 Control Ports	4 / 8 (1 Per Source)	4 / 8 (1 Per Source)	1	1	1
1GbE Network Connectivity	4 / 8 (1 Per Source)	4 / 8 (1 Per Source)	1	1	1
Recommended Infrastructure	SFP + Termination	SFP + Termination	Cat6A / Cat7	Cat6A / Cat7	Duplex MM Fiber
10GbE Termination Type	SFP+	SFP+	RJ45	RJ45	Dual LC
Supported Distance	300m / 1000'	300m / 1000'	100m / 330'	100m / 330'	300m / 1000'
Legacy Copper Support	N/A	N/A	Cat6 @ 30m / 100'	Cat6 @ 30m / 100'	N/A
	1	Video Per	formance		
Video Wall Compatibility	•	•	•	•	•
Multi-View / Tiling Compatibility	•	•		•	•
Audio Downmixing with AVB Integration		•			
PCM Stereo / Multi- Channel PCM Support	٠	٠	٠	•	٠
Supported Video Formats	Up to 4K/60 4:4:4 w/ HDR				
HDMI	2.0a	2.0a	2.0a	2.0a	2.0a
HDCP	2.2	2.2	2.2	2.2	2.2
HDR Support	•	•	•	•	•
		Install	ation		
Rack Mountable	•	•	With RCK-PAVVM8		

5U

(Up to 8 Transmitters)



Туре	Video Receiver Single Output	Video Receiver Single Output	Video Receiver Single Output			
Model Number	PAV-VOM1C PAV-VOMVP1C		PAV-VOMVP1F			
Connectivity						
IR Control Ports	1	1	1			
RS232 Control Ports	1	1	1			
1GbE Network Connectivity	1	1	1			
Recommended Infrastructure	Cat6A / Cat7	Cat6A / Cat7	OM3 Duplex MM Fiber			
10GbE Termination Type	RJ45	RJ45	Dual LC			
Supported Distance	100m / 330'	100m / 330'	300m / 1000'			
Legacy Copper Support	Cat6 @ 30m / 100'	Cat6 @ 30m/100'	N/A			
	Video Pe	rformance				
Video Scaling		•	٠			
Seamless Switching		•	•			
Video Wall Compatibility		•	٠			
Multi-View / Tiling Compatibility		•	•			
HDMI Audio	•	•	•			
Supported Video Formats	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR	Up to 4K/60 4:4:4 w/ HDR			
HDMI	2.0a	2.0a	2.0a			
HDCP	2.2	2.2	2.2			
HDR Support	•	•	•			







SAVANT IP AUDIO DISTRIBUTION

Any source to any speaker.

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SOURCE-TO-SPEAKER

Only Savant offers a complete source-to-speaker audio distribution solution. Enjoy high-performance end-to-end delivery of digital music that circumvents the signal loss and degradation of traditional analog music systems. Deploy dynamic solutions that blend in-room speakers with the enhancement of a subwoofer to provide a richer experience.



DISTRIBUTED ARCHITECTURE



MODULAR AND SCALABLE

Design systems using products with the perfect combination of music, switching, amplification and control. Fewer products, less rack space, quicker deployment, higher satisfaction.

Savant IP Audio offers the flexibility to deploy any sized solution from an enhanced single room audio experience to the largest of distributed applications.



SEAMLESS INTEGRATION

The perfect companion to a Savant IP Video system, Savant IP Audio works hand-in-hand to ensure synchronized delivery of stereo sound for any video source being distributed to your TV.

HIGH RESOLUTION

Your favorite streaming sources are delivered in stunning, high-resolution audio to any area of the home. Sit back and enjoy the experience of sitting in the recording studio with your favorite artist.



The home network has changed everything about our modern lives, including how we distribute audio signals throughout a home. Savant IP Audio leverages leading network technologies to decentralize your system and place equipment where it makes sense - closer to speakers or even in another building. A single category cable is all that is required to link it all together, reducing wiring and installation costs.

STANDARDS-BASED

Utilizing Audio Video Bridge (AVB), a plug-and-play IEEE networking protocol, Savant IP Audio systems distribute and synchronize high resolution audio throughout the home with extremely low latency.

IP AUDIO MICRO APERTURE

These decor friendly in-ceiling speakers are available with compact, paintable round or square perforated grilles which complement USAI lighting fixtures for a clean, crisp look that architects, decorators, and clients will love. IP speakers are a new innovation in the way sound is delivered. Isolated from rooms above through their closed backs, IP Audio speakers are POE powered and can drive up to three IP satellite speakers. This provides a 4-speaker capacity based on a single IP speaker and POE connection. Each IP speaker is individually controlled and connected to the network digital direct, eliminating the problems inherent with long analog audio speaker cable runs.



Driver

Power

Closed Back

Acoustic Delay

AVB Expansion

Stereo/Mono Selection

Sold As

POE driven Internal Amplifier



IP AUDIO MICRO APERTURE 4, ROUND EDG-4-AVB-R

* 22.5W with 1 satellite, 12W with 3 satellites

Tone generation for Speaker Location

Install Eze Tool-less Installation

** No amplifier requried, driven off parent IP Aperture

*** Pair includes 1 IP Aperture and 1 IP Aperture Satellite





Yes

Pair**

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IP AUDIO MICRO APERTURE 4 SATELLITE

ŴВ	EDG-4-SAT				
Full Range Speaker 3.0" BMR™ (Balanced Mode Radiator) .aminated Honeycomb Diaphragm with water resistant coating Rubber surround Die-cast Aluminum frame Neodymium Magnet Wide Off axis power response					
2.3bt Type 3)*	N/A				
V/1 meter)	89dB SPL (2.83V/1 meter)				
.23"	4.65" x 5.23"				
S	1.75 lbs				
RCC	Nano or RCC				
Ye	'S				
Ye	s				
Ye	s				
	No**				
*	Pair				
ms	0 - 100 ms				
Yes					
Unlimited number of units in a system					
Ye	S				
Ye	S				

Raising the bar once again, Savant's Soundbar with integrated host simplifies small project installation by providing everything you need in one package. Our new all-in-one one single room entertainment solution includes a built-in host, single stream music server, and control ports. Pair with a Savant Pro Remote to deliver the complete Savant experience.

The IP Studio 46 with Integrated Host is part of Savant's IP audio product suite, allowing you to easily expand the project to include IP Micro Aperture in ceiling speakers, subwoofers and other distributed audio solutions.



IP AUDIO SOUNDBAR 46 WITH INTEGRATED HOST, HST-STUDIO46-2CH

IP AUDIO SOUNDBAR 46, IP-STUDIO46-2CH



IP AUDIO SOUNDBAR 55 WITH INTEGRATED HOST, HST-STUDIO55-2CH

IP AUDIO SOUNDBAR 55, IP-STUDIO55-2CH



Model Number	IP-STUDIO46-2CH-00	IP-STUDIO55-2CH-00	
Option with Embedded Host	HST-STUDIO46-2CH-00	HST-STUDIO55-2CH-00	
Savant Music Server	Y	/es	
Drivers	(4) 3.5" (89mm) Long Throw Carbon Fiber Midrange / Woofers (2) 25mm Vifa DX Super Audio Tweeters (2) 19mm Stage Tweeters	(6) 3.5" (89mm) Long Throw Carbon Fiber Midrange / Woofers (2) 25mm Vifa XT Super Audio Tweeters (2) 19mm Stage Tweeters	
Frequency Response	Amplifier Frequency Response = 20 Hz to 20 kHz, +-1dB Acoustic Frequency Response = 100 Hz – 50 kHz ± 3 dB, bass enhancement to 50 Hz	Amplifier Frequency Response = 20 Hz to 20 kHz, +-1dB Acoustic Frequency Response = 80 Hz - 50 kHz ± 3 dB, bass enhancement to 40 Hz	
Grille	Custom, minimum grille width: 45.4"	Custom, minimum grille width: 54.1"	
Dimension	Without Grille: 4.17"H (105.9mm) x 44.76"W (1137mm) x 2.25"D (57.13mm)	Without Grille: 4.17"H (105.9mm) x 53.41" (1356.50mm) x 2.25"D (57.13mm)	
Dimension	With Grille: 4.78"H (121.37mm) x Custom x 2.76"D (70.04mm)	With Grille: 4.78"H (121.37mm) x Custom W x 2.76"D (70.04mm)	
Weight	30 lbs	31 lbs	
Recommended Subwoofers	Nano 1 or RCC	320 Subwoofer	
Material & Finish	Extruded aluminum wi	th black anodized finish	
Enclosure Type	Acoustic	Suspension	
Inputs	Ethernet	, TOSLINK	
Control Ports	Two RS23	2, Three IR	

IP AUDIO SOUNDBAR 46

IP AUDIO SOUNDBAR 55

IP AUDIO SOUNDBARS

IP AUDIO AMPLIFIERS & MUSIC

IP Audio transmits and/or receives audio over the 1Gb AVB network



IP Audio transmits and/or receives audio over the 1Gb AVB network

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Туре	IP Audio Transmit and Receiver with Amplification	IP Audio Transmit and Receiver with Amplification	IP Audio Transmit and Receiver with Amplification	Streaming Music Server with Transmitter
Model Number	PAV-SIPA50SM	PAV-SIPA125SM	PAV-SIPA1SM	PAV-SMS2001
		Connectivity		
Analog Audio Inputs	2	2	1	
Optical Audio Inputs	2	2	1	
Digital Coax Audio Inputs				
Embedded Music Stream	•	•	•	٠
Powered Speaker Outputs	4 Zones	4 Zones	1 Zone	
Amplifier Rating	50W/Ch (8 Ohm)	125W/Ch (8 Ohm)	125W/Ch (8 Ohm)	
4 Ohm Stable	•	٠	•	
Pre-amp RCA Outputs (Fixed or Variable)	1	1	1	
Pre-amp Optical Outputs (Fixed Only)	1	1		1
Pre-amp Digital Coax Outputs (Fixed Only)				1
IR Control Ports	4	6	3	
RS232 Control Ports	2	2	2	
GPIO Control Ports		1		
Relay Control Ports		1		

Additional Features							
Expansion 45 Talker Products - 200 Simultaneous Streams - Unlimited Listeners							
AVB Device Type	Talker/Listener	Talker/Listener					
Zone Output Grouping	٠	٠	٠				
Audio Sync Delay Adjustment	0-160ms	0-160ms	0-160ms	0-160ms			
Adjustable EQ	٠	٠	٠				
		Installation					
Rack Mountable	٠	٠	With RMB-SIPA12F	With RMB-PAVAM2			
Rack Height	2U	1U	1U	1U			
Low Voltage Enclosure Compatible	•						
PoE Powered							

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Туре	IP Audio Input Transmitter	IP Audio Output Receiver	IP Audio Output Receiver	IP Audio Single In And Out
Model Number	PAV-AIM7C	PAV-AOM8C	PAV-AOMBAL8C	PAV-AIO1C
		Connectivity		
Analog Audio Inputs	3			1*
Optical Audio Inputs	2			1*
Digital Coax Audio Inputs	2			
Embedded Music Stream				
Powered Speaker Outputs				
Amplifier Rating				
Pre-amp Analog Outputs (Fixed or Variable)		8	8	1
Pre-amp Optical Outputs (Fixed Only)				
Pre-amp Digital Coax Outputs (Fixed Only)				
IR Control Ports	6			
RS232 Control Ports	2			
GPIO Control Ports		2	2	
Relay Control Ports				
		Additional Features		
Expansion	45 Talke	r Products - 200 Simultan	eous Streams - Unlimited	Listeners
AVB Device Type	Talker	Listener	Listener	Talker/Listener
Zone Output Grouping		•	•	٠
Audio Sync Delay Adjustment		0-160ms	0-160ms	0-100ms
Adjustable EQ		•	•	٠
		Installation		
Rack Mountable	With RMB-PAVAM2	With RMB-PAVAM2	With RMB-PAVAM2	
Rack Height	1U	1U	1U	1U
Low Voltage Enclosure Compatible				٠
PoE Powered				٠

* Analog and Digital Inputs cannot be used at the same time.

IP AUDIO EXPANSION

IP VIDEO ARCHITECTURE

Since its founding in 2005, Savant has leveraged its deep roots in telecommunications switching to deliver an industry leading IP-based distributed entertainment solution. Both Savant IP Audio and Savant IP Video systems convert incoming source material to an IP stream. No matter the size and scope of the project, Savant offers a state-of-the-art plug-and-play entertainment solution that delivers any signal to any room and always in perfect time.

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Savant IP Audio utilizes AVB to deliver high-resolution audio directly to Savant IP speakers. Preserving all the warmth and detail of your music, while simultaneously reducing the cost and complexity of distributed entertainment solutions.



IP AUDIO ARCHITECTURE

IP VIDEO NETWORKING

Utilizing a 10Gb LAN, Savant's 4K-Over-IP solution will deliver stunning high resolution images over distances up to 1000ft. 10GB Switches are available up to 96 ports.



Туре	10GbE Video over IP Switch	10GbE Video over IP Switch	10GbE Video over IP Switch	10GbE Video over IP Switch	10GbE Video over IP Switch		
Model Number	M4300-8X8F	M4300-12X12F	M4300-24X/ M4300-48X	M4300-24X24F	XSM4396K0- 10000S		
	Connectivity						
SFP+ Ports	8	12		24	Up to 95 + 1 Uplink*		
RJ45 Ports	7 + 1 Uplink	11 + 1 Uplink	23 + 1 Uplink/ 47 + 1 Uplink	23 + 1 Uplink	Up to 95 + 1 Uplink*		
Modular Card Slots	2				8		
		Accessori	es				
8-port RJ45 Card					APM408C-10000S		
8-Port SFP Card					APM408F-10000S		
600W Power Supply					APS600W-100NES		





* Using Modular Cards

IP AUDIO NETWORKING

Savant offers a variety of AVB switchs to support a variety of system sizes. AVB switches can be cascaded and located in remotely from one another. Models include PoE++ options for Savant Micro Aperture speakers.



Туре	AVB Switch	AVB Switch	AVB Switch	AVB Switch w/ PoE	AVB Switch w/ PoE	
Model Number	MOTU-AVB	ESN-AVB12E	ESN-AVB-24E	ESN-AVB12POE	ESN-AVB24POE	
Connectivity						
AVB Ports	5	12	24		24	
PoE AVB Ports 12						
SFP+ Expansion Ports			4		4	

ACCESSORIES

Savant provides all the accessories necessary for your audio and video distribution system.

CERTIFIED HDMI CABLES & NETWORK FIBER INTERCONNECT CABLES

Savant certified HDMI 2.0 compliant cables available in 1m, 2m, and 3m lengths.

Direct-Attach Cables for connecting the video inputs to the 10GbE Network switch. Available in 2m lengths.

FIBER

Cables, tools and testers and connectors - wire for the future with a full line of Savant certified fiber products for IP Video.



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