

4K Dual-lens PTZ All-in-One Video Bar SV -VAC-300



The SOLVISION SVAC300 is purpose-built for medium to large corporate meeting environments, delivering an all-in-one solution for superior audio and video collaboration. Equipped with dual-lens 4K ultra-high-definition cameras for both panoramic and close-up views, a digital microphone, and a full-range speaker, it combines multiple functions into a single compact design. This not only reduces cabling but also ensures effortless installation. Powered by advanced AI video processing, the SVACW300 intelligently adjusts framing in real time to match meeting dynamics, creating a seamless and engaging conferencing experience.

Features

- Dual-Lens 4K UHD Integration
- Panoramic lens: 120° wide field of view
- Close-up lens: 82° wide angle, 12x optical zoom, ±90° pan-tilt
- All-in-One Design
- 4K panoramic & close-up cameras, digital microphone array, and stereo speaker in one unit
- Minimal cabling, easy deployment
- Intelligent AI Video Functions
- Group Framing: Detects participants, adjusts composition automatically
- Speaker Tracking: Focuses on the active speaker for face-to-face experience
- Presenter Tracking: Gesture recognition, ReID, ReFace tracking for smooth presenter following
- AI-Powered Audio
- 3A algorithm with echo cancellation, noise suppression, and de-reverb
- 6-MEMS beamforming mic array with 8m pickup range
- Supports PoE cascade with up to 3 external microphones
- Superior Sound
- Full-range, high-fidelity stereo speaker with rich bass, clear treble, and natural voice output
- Flexible Connectivity (BYOM)
- Built-in Wi-Fi & LAN for wired/wireless BYOM
- Supports screen mirroring & content sharing from laptops, smartphones, or tablets
- Safety-BIS,CE,FCC,RoHS,
(ISO9001:2015,14001:2015,45001:2018, 27001:2022 -IAF Certified)

AI-Powered Audio 3A Algorithm

AI-driven audio algorithms based on deep learning effectively eliminate echo, noise, and reverb, ensuring clear full-duplex audio conversations.



- 1 — HDMI OUT
- 2 — HDMI IN (Optional)
- 3 — USB3.0
- 4 — USB3.0
- 5 — LAN
- 6 — EXT
- 7 — DC 12V

Flexible Connectivity (BYOM - Optional)



SOLVISION TECHNOLOGY

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Specifications

4K Dual-lens PTZ All-in-One Video Bar

SV-VAC-300

Close-up Camera

Signal System	4KP30, 1080P30, 720P30 etc.
Sensor	1/2.5 inches, CMOS,
	Effective Pixels: 8.29 Megapixels CMOS
Focal length	12x Optical zoom, f=4.4~51.1mm, F1.8~2.6
Horizontal FOV	82° ~8.4°
Vertical FOV	40° ~4.2°
Pan Angle	-90° ~ +90°
Tilt Angle	-23° ~ +23°
Pan Speed	1.7° ~ 76° /s
Tilt Speed	0.5° ~ 15° /s
PTZ	Support
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥ 50dB
Speaker	2 full-range speakers, individual output power: 8W
Microphone Array	6 beamforming microphones with 8m pickup distance
Extended MIC	Supports up to 3 microphones via DMIC interface
Audio 3A Algorithm	AI-Powered AEC/ANC/AGC
Sampling Rate	Mic 48K, Speaker 48K

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Panoramic Camera	
Signal System	4KP30, 1080P30, 720P30, 640*360P30
Sensor	1/2.8 inches, CMOS, Effective Pixels:
	8.51 Megapixels CMOS
Lens	Focal Length: 2.8mm,
	DFOV: 120° , HFOV: 110° , VFOV: 74.6°
EPTZ	Support
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥ 50dB
Audio Spec	
Speaker	2 full-range speakers, individual output power: 8W
Microphone Array	6 beamforming microphones with 8m pickup distance
Extended MIC	Supports up to 3 microphones via DMIC interface
Audio 3A Algorithm	AI-Powered AEC/ANC/AGC
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USB Spec	
	Windows® 7 (only supports 1080p and below), Windows 8.1, Windows 10 or higher; MacOS™ 10.10 or higher;
Operating System	Google™ Chromebook™ Version 29.0.1547.70 or higher;
Supported	Linux (requires support for UVC)
	2.4 GHz Intel® Core 2 Duo processor or higher;
Configuration Requirements	2GB memory or higher;
	USB 2.0 interface (4K requires USB 3.0)
Connection Type	USB 3.0, backward compatible with USB 2.0
Color System/Compression	H.264 / MJPEG / YUY2
USB Video Communication Protocol	UVC 1.1, UAC 1.0
UVC PTZ Control	Support (ePTZ)



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I/O	
USB 3.0	1 × USB 3.0, Type-C, Support audio/ video transmission and firmware upgrade
HDMI	1 × HDMI OUT;
	1 × HDMI IN (optional)
USB 3.0	1 × USB 3.0, Type-A, function reserved
	1 × RJ45, Connect to the network port
1- 3 x Microphone (Optional)	Expansion microphone and support PoE power supply
Network Interface1	1 × RJ45, 10/100/1000M adaptive
	Ethernet port, supporting network transmission of audio and video
Network Interface2	DC 12V
Power Interface	WiFi 5, Supports BYOM wireless
WiFi	transmission and BYOD wireless screen casting function (requires additional casting device)
Remote Control	Support

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Generic Spec

Safety Protection	Kingston anti-theft lock socket
Power	DC 12V
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension (W x D x H)	Without Stand: 600 x 127.1 x 182.1mm With Stand: 600 x 127.1 x 217.1mm
Net Weight	4kgs

Smart Gallery



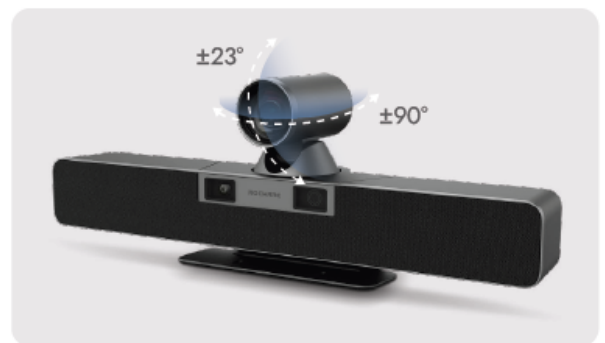
Group Framing



Speaker Voice Tracking



PTZ System



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