SPS-A100M

Audio Beacon

Key Features

- Full-duplex two-way audio support

- Five built-in MEMS microphones

- Built-in speaker(Max. Sound Pressure Level(PoE+) 90dB)

- Built-in LED ring indicator for clear status alerts

- AI-based sound classification included

- Best sound(audio file), Event metadata support

- Accurate sound origin detection with direction-finding algorithms

- Support for 3rd party VMS integration

Compatible Devices

SBP-060BA   SBP-215HMWB

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Specifications

Video

Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360
Max. Framerate	Static image video H.265/H.264: Max. 10fps MJPEG: Max. 5fps
Video Out	USB: Micro USB Type C, setting true north point using Wisenet installation

Operational

Analytics	AI Sound Classification - Classified sound type: Crashing glass, Screaming, Vehicle horn, Tire screech - Event metadata: Sound type, Sound direction, Confidence, Timestamp, Best sound(audio file), dB($\pm$10dB) - Sound direction(Celling mounting: $\pm$15 degrees)
Alarm I/O	2 configurable I/O ports
Alarm Triggers	Analytics, Network disconnect, Alarm input, App event(Sound classification), Time schedule, MQTT subscription, Case tampering
Alarm Events	When alarm trigger occurred - File upload(audio): e-mail/FTP - Notification: e-mail - Alarm output - Handover: PTZ preset, send message by HTTP/HTTPS/TCP - Audio clip playback(6MB, WAV) - MQTT: publication - LED - Speaker
Audio Streaming	Two-way/one-way selectable, Full duplex, Echo cancellation and noise reduction
Audio In	Five built-in MEMS MICs
Audio Out	Built-in speaker - Max. Sound Pressure Level 90dB at 1m(3.28ft) - Frequency Range: 144Hz~20kHz
Light Type	LED Ring(Green, Blue, Red, Pink, Sky blue, Purple), for event action

Network

Ethernet	RJ-45(10/100 BASE-T)
Audio Compression	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz
Streaming	Unicast(6 users) / Multicast Multiple streaming(Up to 6 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP (TCP, UDP Unicast), MQTT SIP 2.0(RFC 3261 and companion RFCs)
Application Programming Interface	ONVIF Profile S SUNAPI(HTTP API) Wisenet open platform - AI Sound Classfication pack included

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com.
Hanwha Vision is formerly known as Hanwha Techwin.

Security

OS / Firmware Protect	Encrypted Firmware, Secure boot, Signed Firmware
User authentication	Digest Authenticaton, Prevent brute-force attack
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Secure Communication	SRTP, HTTPS, WSS(WebSocket Secure)
Access Control	IP-based access control
Data Protect	Encryption Credentials, Encrypt compress for live recording file export
Audit	Access / System / Event Log management
Device ID	Device certificate(Hanwha Vision Root CA)
Secure Storage	Secure element
Security Certificate	ETSI EN 303 645, Secure element(FIPS 140-3 level3, CC EAL6+)

General

Webpage Language	English, Korean, Simplified Chinese, Traditional Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek.
Memory	4096MB RAM, 512MB Flash

Environmental & Electrical

Operating Temperature / Humidity	-20℃ ~ +55℃ (-4℉ ~ +122℉) / Less than 90% RH
Storage Temperature / Humidity	-50℃ ~ +60℃(-58℉ ~ +140℉) / Less than 90% RH
Input Voltage	PoE+(IEEE802.3at, Class4)
Power Consumption	PoE+: Max 18.5W, typical 8.2W

Mechanical

Color / Material	White / Plastic, Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	215.1(W)x135.1(D)x52.8(H)mm(8.47"x5.32"x2.08") / 973g(2.15 lb)
Compatible Conduit hole / Gangbox	None / single, double, 4" octagon, 4" square Sold separately conduit hole accessory: SBP-060BA
Hanging Mount (Dome)	SBP-215HMWB
Conduit Adaptor	SBP-060BA

Certifications & Standards

EMC	FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1 IEC/EN 62471
Environment	IEC/EN 63000

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CAD

Unit:mm [inch]

SPS-A100M AI Sound Detector

Reference image

52.80 [2.08]

215.13 [8.47]

135.13 [5.32]

⌀65.09 [2.56]

	STANDARD GANG	
A	SINGLE	83.5 [3.29]
B	4″OCTAGON	88.0[3.46]
C′ C″	DOUBLE	83.5 [3.29] X 46.0 [1.81]
D	SQUARE	120.2 [4.73]

Revision	V1.1
Revision Date	25/02/27
Paper Size	A0
Unit	mm [inch]
Scale	1 : 1
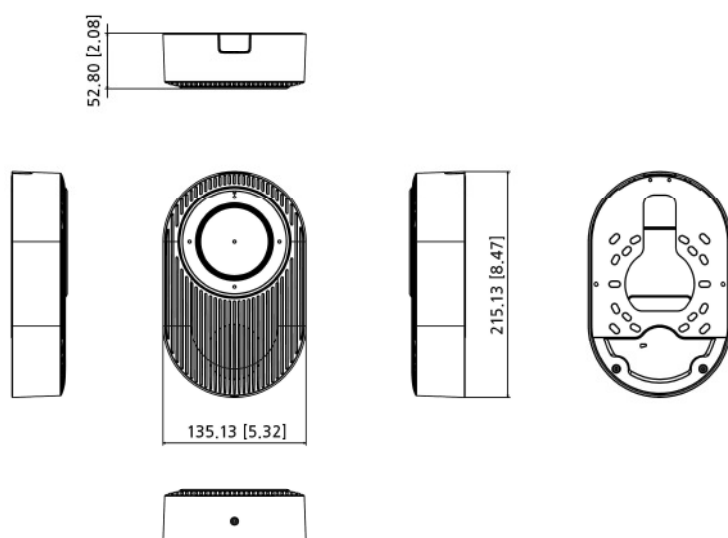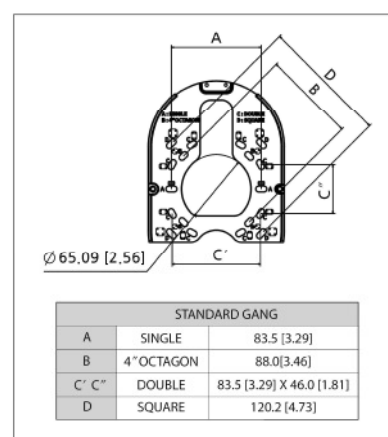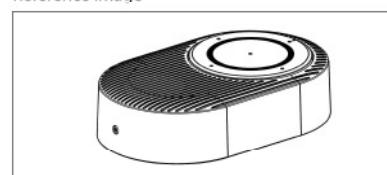
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