SPS-A100M

Audio Beacon

Key Features

- Audio Beacon - Speaker with Max. Sound Pressure Level 90dB at 1m (3.28ft)
- Frequency Range: 144Hz ~ 20kHz
- 5 Digital Microphones with Two-Way/One-Way selectable
- Full Duplex communication with Echo Cancellation and Noise Reduction
- Sound Classification: Glass Break, Scream, Extreme Decibel Event
- Event Metadata: Sound Direction, Confidence, Audio Clip, dB level
- LED Ring (Green, Blue, Red, Pink, Sky blue, Purple)
- Initial and Post-duration action setting
- USB-C for installation app
- 2 configurable digital I/O
- PoE+
- ONVIF Profile S
- SUNAPI (HTTP API)
- Wisenet open platform
- AI Sound Classification pack included
- Secure Element with FIPS 140-3 level 3
- Indoor Rated
- Operating Temperature / Humidity: -20°C ~ +55°C (-4°F ~ +122°F) / Less than 90% RH
- Storage Temperature / Humidity: -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH

Compatible Devices

SBP-060BA

SBP-215HMW

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.

© Hanwha Vision CO., LTD. All rights reserved.

SPS-A100M

Audio Beacon

Specifications

Video

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

Operational

Alarm Interface	2 configurable I/O ports
Alarm Triggers	Analytics, Network disconnect, Alarm input, App event(Sound classification), Time schedule, MQTT subscription, Case tampering
Audio Streaming	Two-way/one-way selectable, Full duplex, Echo cancellation, Noise reduction
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 In	Built-in MEMS 5mics
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

Analytics

Analytics Events Based on AI Engine	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(±10dB)
Sound Direction	Ceiling mounting: ±15 degrees

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: 16kHz(48kbps)

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.

© Hanwha Vision CO., LTD. All rights reserved.

Network

Streaming	Unicast	Up to 6 users
	Multicast	Support
	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	S
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform, AI Sound Classification pack included

Security

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
User authentication	Digest authentication, 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	Secure element(FIPS 140-3 level3, CC EAL6+)

General

Memory	RAM	4GB
	Flash	512MB

Environmental & Electrical

Operating Condition	Temperature	-20°C~+55°C(-4°F~+122°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE+(IEEE802.3at, Class4)
Power Consumption	PoE	Max 18.5W, typical 8.2W

Mechanical

Color	White
Material	Plastic, Aluminum
RAL Code	RAL9003
Product Dimensions	215.1(W)x135.1(D)x52.8(H)mm(8.47"x5.32"x2.08")

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.

© Hanwha Vision CO., LTD. All rights reserved.

Mechanical

Product Weight	973g(2.15 lb)
Compatible Conduit Hole	Support conduit compatibility via optional adaptor
Compatible Gang Box	Single, Double, 4" Octagon, Square

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

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.

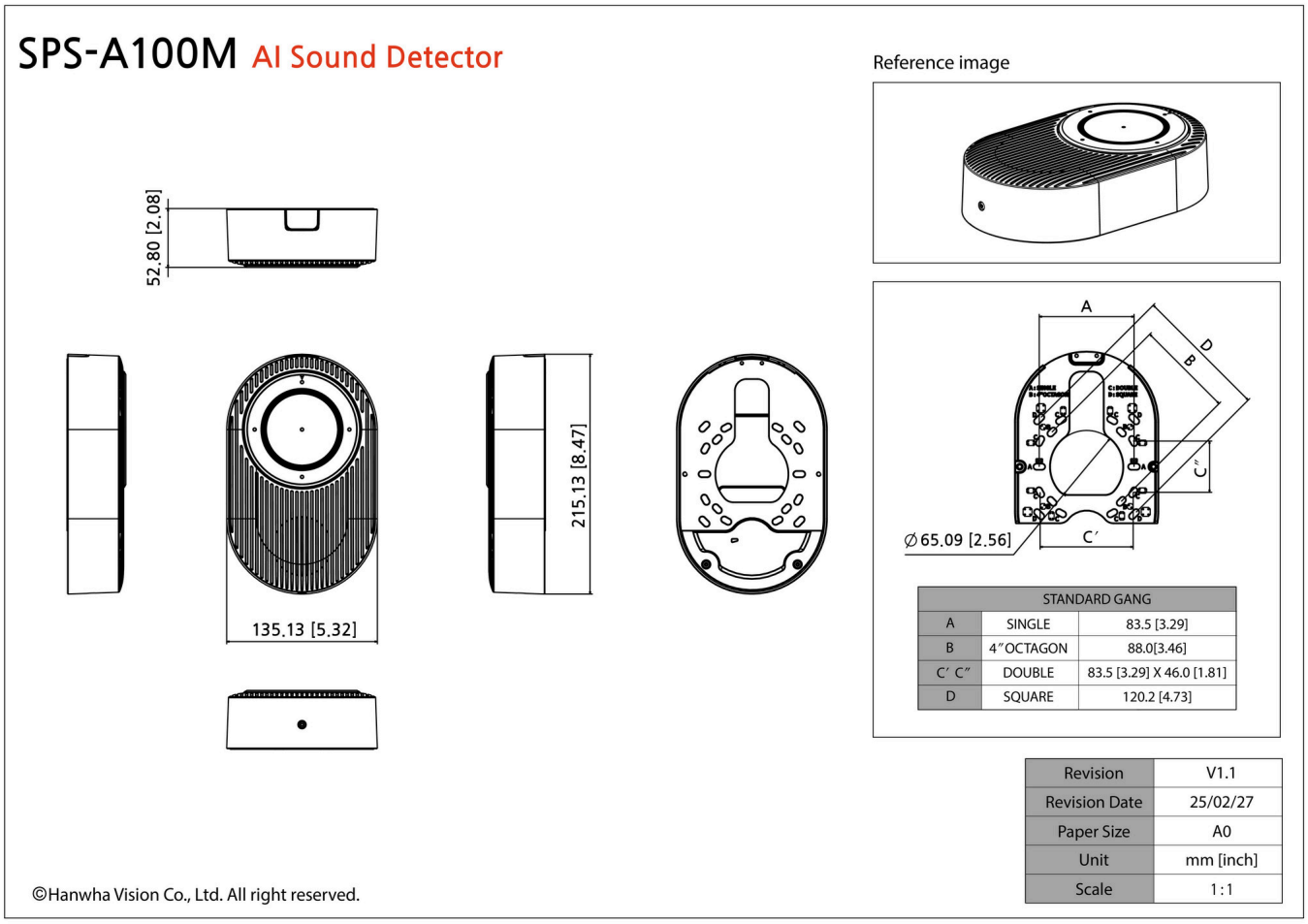
© Hanwha Vision CO., LTD. All rights reserved.

SPS-A100M

Audio Beacon

CAD

Unit: mm [inch]



© Hanwha Vision CO., LTD. All rights reserved.