# DS-QAAI264G1-P
64 Mic Acoustic Imager
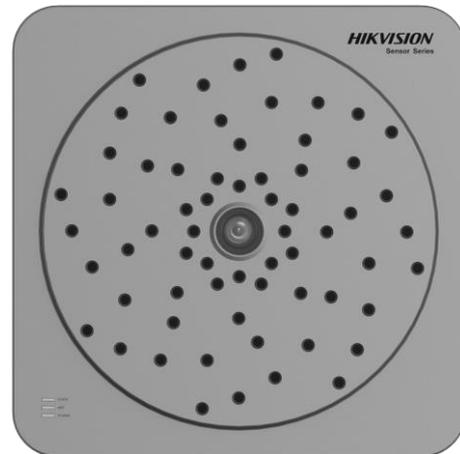
- High accuracy localization: Sound source localization and visual imaging, high accuracy positioning of gas leakage or discharge positions, and visual presentation through HD cameras. The positioning accuracy can reach within 1 °
- Ultra wide frequency: It can locate sound sources in the frequency range from audible sound to ultrasound (5 KHz to 72 KHz). It can cover frequency ranges of partial discharge and gas leakage.
- Built-in discharge type recognition algorithm: Adopting PRPD diagram technology, it can effectively distinguish between floating discharge, corona discharge, surface discharge, etc.
- 24/7 real-time monitoring: Supports IP67 waterproof level and can be used in various outdoor and indoor scenarios
- Free selection of the localization frequency range

▪ Specification

Camera	
Image Sensor	1/2.8　2 MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Min. Illumination	0.001 Lux @(F1.0, AGC ON)
Shutter Time	PAL: 1/25 s to 1/100,000 s,NTSC: 1/30 s to 1/100,000 s
Signal System	PAL/NTSC
Video Frame Rate	H.264(default)/H.265 1920 × 1080 @25 fps
Picture Format	JPG
Lens	
Lens Type	4 mm
Focal Length & FOV	Horizontal FOV 84°, vertical FOV 46°, diagonal FOV 97°
Lens Mount	M12
Aperture	F1.0
Depth of Field	2 m to ∞
Microphone	
Type	MEMS
Polar Pattern	360° omni-directional
Amount	64
Frequency Response	Response Frequency: 2 KHz to 72 KHz, Localization Frequency: 5 KHz to 72 KHz
Sensitivity	-38 dBV
SNR	68 dB
Sampling Rate	144 KHz
Dynamic Range	104 dB
Acoustic Overload Point (AOP)	130 dB
Total Harmonic Distortion (THD)	0.1% @94 dBSPL, 1 KHz
Function	
Sound Source Localization	Yes
Linkage Mode	Upload to memory card, notify surveillance center, trigger recording, trigger capture
Palette Mode	Acoustic palette supports 6 palette modes
Location Accuracy	≤1°
Alarm Trigger	Decibel threshold detection, frequency threshold detection, sound source localization detection, microphone exception, video tampering, partial discharge detection, gas leakage detection
Image Function	White Balance: auto, manual, locked; DNR

| LED Indicator	3 single color LED indicator lights: red, yellow, and green;
	Status indication:
	1. Power indicator
	    Solid red: the device is normal starting.
	    Off: the device is abnormal.
	2. Working status indicator
	    Flashing green: the device is normal working.
	    Solid green/off: the device is abnormal.
	3. Network indicator
	    Solid yellow: no data transmission in the network connection.
	    Flashing yellow: network connection with data transmission.
	    Off: no network connection.

Network	
Network Protocol	TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, RTP, RTSP, RTCP, NTP, UPnP, IGMP, QoS, IPv6, UDP, SSL/TLS
Interface Protocol (API)	ISAPI、ISUP、SDK
User Management	Up to 32 users. 3 user levels: administrator, operator, and user
Network Security	Authorized username and password, HTTPS encryption, IP address filter
Network Storage	Support MicroSD/MicroSDHC/MicroSDXC card(128 GB or 256 GB), and support encrypted memory card and memory card Status detection with Hikvision black memory card.
Browser	Operation System: Win7、Win8、Win10、Win11 (32bit/64bit)) Browser: Chrome70+, Firefox 70+, Edge89+, Safari12+
Interface	
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port
Reset	Yes
RS-485	1 RS-485
MicroSD	Built-in memory card slot, support microSD card, up to 2 TB
General	
Power	12 VDC, 1.3 A; PoE(802.3at), 42.5 V to 57 V, 0.36 A to 0.27 A
Material	Main body: Metal Base: Metal
Language	English
Dimension	201.6 mm × 201.6 mm × 48.5 mm
Package Dimension	457 mm × 255 mm × 130 mm
Weight	1688 g
With Package Weight	3290 g
Color	Front Cover: grey Back Cover: black
Packing List	Device × 1 Bracket × 1 Regulatory Compliance and Safety Information × 1 Drill Template × 1
Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F). Humidity 95% or less (non-condensing)
Installation	Pendant mount, wall mount

Approval	
Protection	IP67
EMC	Class B

▪ Available Model
DS-QAAI264G1-P

▪Dimension

Unit: mm (inch)
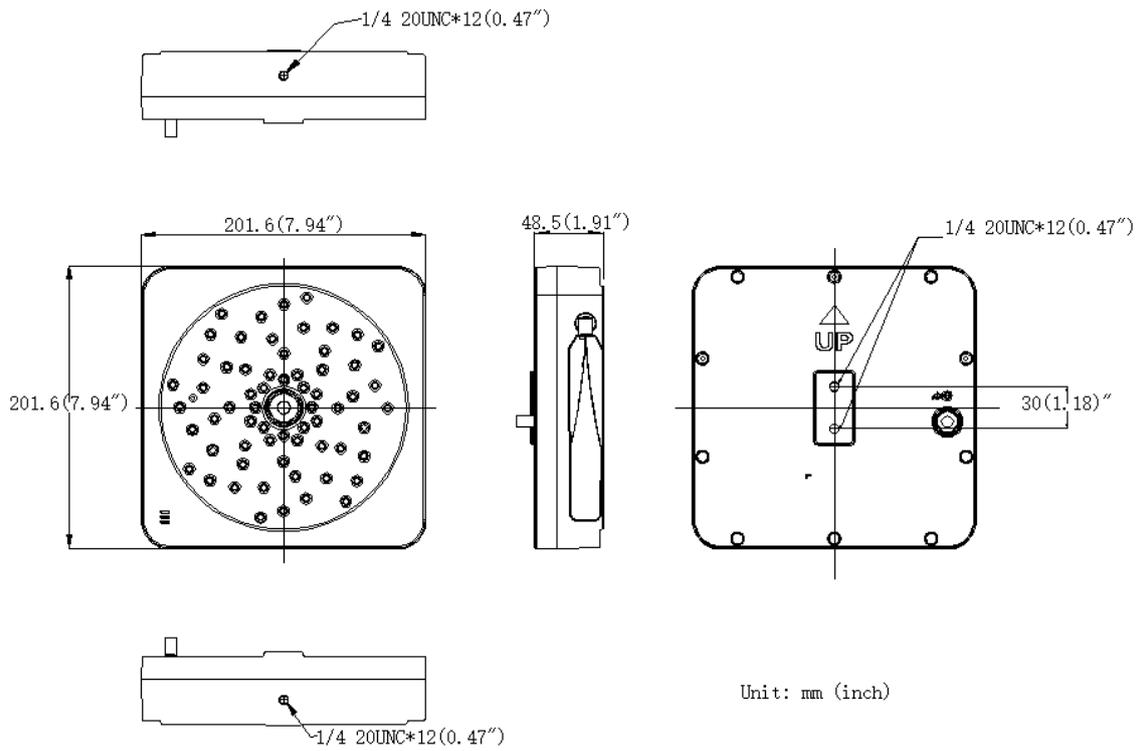
▪ Accessory

▪Included

DS-1232ZJ-TP Cardan Joint
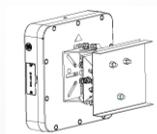
▪**Optional**

DS-1299ZJ Pendant Mount	DS-1214ZJ-XSP DS-1214ZJ-XSP

See Far, Go Further

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