

DS-QAPS4U20-2

- Digital controllable beam linear audio column, designed with 16 × 2.25" neodymium magnet units, equipped with onboard DSP and built-in amplifier
- Digital controllable vertical beam direction, with 160° horizontal coverage, flexible for different room layouts
- Support various beam control algorithms, including beam pitch angle, beam width, multi-beam design, and sound and color balance, and custom adjustment of sound field to provide optimal sound listening experience in multiple spaces
- Built-in multiple audio algorithms, including mixing, equalizer, and noise reduction, providing excellent audio performance
- Support AES67 international standard transmission protocol (subsequent versions will support AES67 third-party compatibility), effectively ensuring low-latency and high-synchronization transmission for the network audio system
- Support device activation, network setting, routing setting, parameter setting, and other related operations via audio assistant tool

▪ Specification

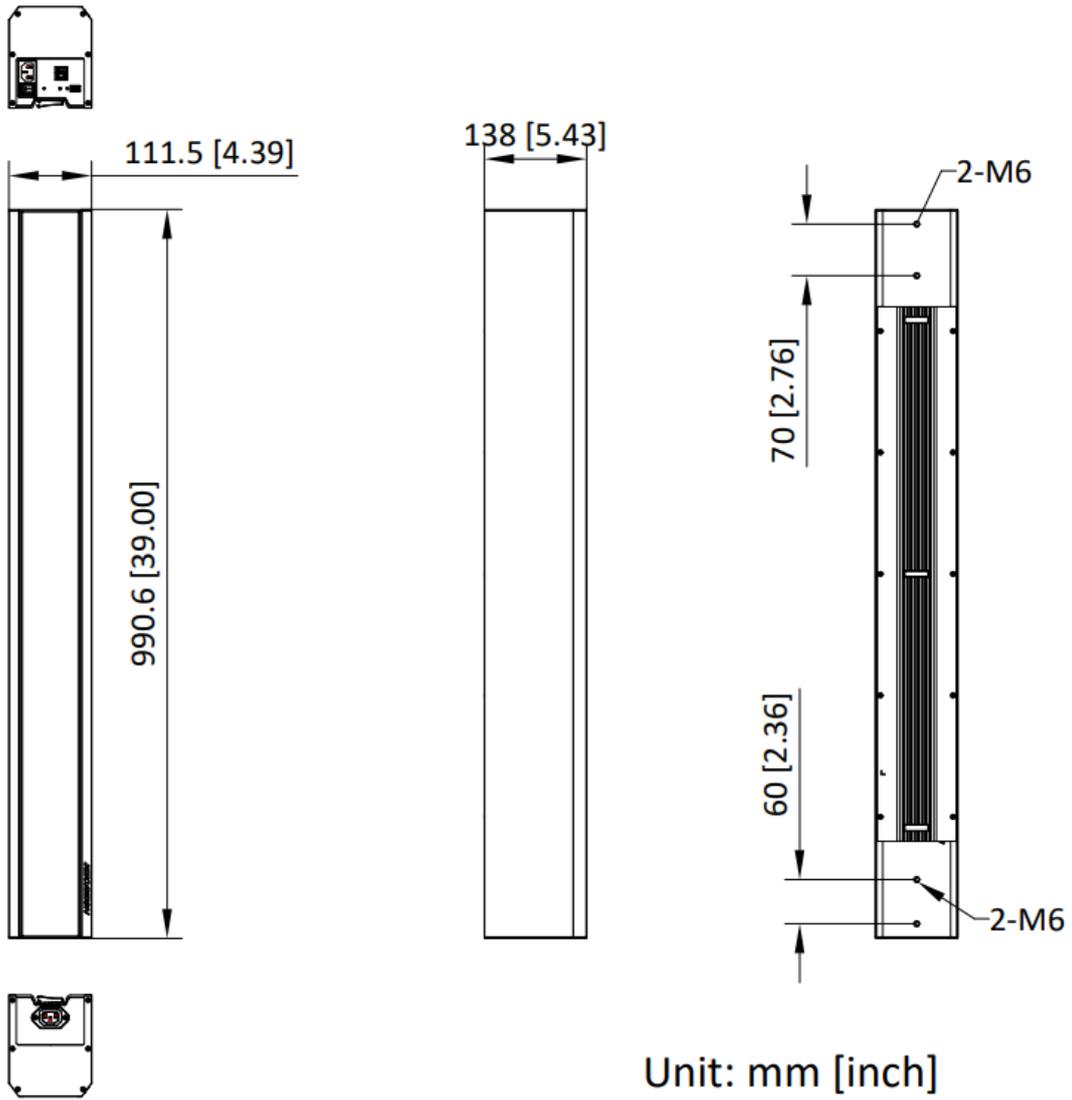
Speaker	
Impedance	6 Ω
Channel Amount	Mono
Rated Power	200 W
Total Harmonic Distortion (THD)	<3% @1 kHz
Sensitivity(1 m, 1 W)	89 dB@1 m, 1 W
Audio In	LINE IN × 1 , Green Phoenix Terminal
F0	110 Hz
Noise Floor	(A-weighted): <200 μV
Maximum Sound Pressure Level	116 dB (1 m)
Frequency Response	(-3 dB): 125 Hz to 16 kHz (-10 dB): 100 Hz to 18 kHz
Sampling Rate	48 kHz
Quantization Bits	24 bit
Speaker Unit	2.25-inch Neodymium Full-Range Speaker
Coverage Angle	160°(H) × ±30°(V)
Beamwidth	Adjustable between 10° and 50°, with a tuning step of 4°
Directivity Angle	Adjustable within ±30°, with a tuning step of 5°
Function	
Audio Algorithm	COMP, Delay, Mixing, ALC, PEQ, Noise Gate, Beam Control
Protection Function	Power reverse protection, overcurrent protection, overvoltage protection, overload protection, PA thermal protection, PA short-circuit protection, PA output overvoltage protection
Network	
Network Protocol	AES67, TCP/IP, ICMP, HTTP, HTTPS, DNS, RTP, RTSP, RTCP, NTP, QoS, UDP, SSL/TLS, IEEE1588
Interface Protocol (API)	OTAP
Network Security	Password protection, complicated password, HTTPS encryption, basic and digest authentication for HTTP/HTTPS, security audit log, TLS 1.2/1.3
Interface	
Network Interface	RJ45 1000 M Ethernet port × 1
Local Storage	Built-in 4 GB EMMC × 1, 1 GB DDR4 × 1
Audio In	LINE IN × 1, Green Phoenix connector
Audio Out	Network output

LED Indicator	<p>Device Indicator: red and white</p> <p>Light Off: The device is not powered on. The program is not started.</p> <p>Breathing White: The device is powering on and initializing</p> <p>Solid White: The device is running normally</p> <p>Flashing White: Device recognition is in progress (when there are multiple devices in the system, click Identify Device on the client)</p> <p>Flashing Red: Device fault.</p> <p>Analog Audio Indicator: red, yellow, and green</p> <p>Light off: Less than -60 dBFS</p> <p>Green: -59 dBFS to -24 dBFS</p> <p>Yellow: -23 dBFS to -1 dBFS</p> <p>Red: No less than 0 dBFS</p>
Reset	Support
Compatibility	
System Requirement	<p>Recommended system configuration for Audio Assistant Tool:</p> <p>Operating System: Windows(R) 10 (recommended), Compatible with Windows(R) 7 / Windows(R) 8.1 / Windows(R) 11</p> <p>CPU: Intel(R) i3-9100@4.2 GHz or above</p> <p>RAM: 4 GB and above</p> <p>Video Card: GT1030 D5</p> <p>HDD: 20 GB</p> <p>Display: 1920 × 1080 and above</p>
General	
Power	AC 220 V, 2.1 A, 50 Hz
Material	Enclosure: Metal; Top cover: Metal; Bracket 1: Metal; Bracket 2: Plastic
Dimension	990.6 mm × 111.5 mm × 138 mm (39" × 4.39" × 5.43")
Weight	Approx. 8.8 kg (19.4 lb.)
Operating Condition	-10 °C to 45 °C (14 °F to 113 °F). Humidity 90% or less (non-condensing)
Package Dimension	1145 mm × 252 mm × 308 mm (45.08" × 9.92" × 12.13")
With Package Weight	Approx. 11.2 kg (24.7 lb.)
Color	Grey
Installation	Wall mounting, Wall thickness ≥75 mm (2.95")
System Language	English
Mounting Bracket	Included: Wall mount bracket; Adjustable-angle wall mount bracket

▪ Available Model

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▪ Dimension



Unit: mm [inch]

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