

# DH-HAP201

## Hi-fidelity Pickup



### Series Overview

The pickup is designed with both hardware and software, effectively solving acoustic problems such as noise and continuous echo. It produces relatively high and reliable audio acquisition data, collects sound that is both close and far in indoor scenes, and adapts to quiet and noisy environments. It is ideal for indoor locations that require synchronous recording and high quality videos such as large halls, banks, government halls and various enterprises. It also meets the needs of industries such as the finance, education, and public security industry.

### Scene

The device is ideal for scenes that require high quality synchronous recording and video recording in industries such as public security, finance, education, and enterprise.

### Technical Specification

#### Basic Parameters

|              |                              |
|--------------|------------------------------|
| Type         | Analog pickup                |
| Shape        | Circular                     |
| Installation | Ceiling mount; desktop mount |

#### Acoustic Parameters

|                             |                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Pickup Range                | 1–150 square meters, around 7 m radius                                                                                                              |
| Audio Transmission Distance | 3,000 m (Requires a 0.5 mm <sup>2</sup> RVVP cable. The sound quality becomes poor beyond 3,000 m and the maximum output amplitude also decreases.) |
| Frequency Response          | 20 Hz–20 kHz                                                                                                                                        |
| Sensitivity                 | –38 dB ± 1 dB (re 0 dB=1 V/Pa@1 kHz)                                                                                                                |

- Designed with a high-sensitivity omnidirectional microphone which picks up clear sounds and has a high anti-interference capability.
- Built-in CPU audio capture module with reduced hardware circuit interference and audio noise.
- Offers WDR technology which increases the range of audio signals that can be received, and allows the system to process large and small audio signals.
- Comes with a high-speed DSP digital information processor that helps improve signal clarity and prevent the distortion and attenuation of voice signals.
- Built-in high-speed CPU that processes audio signals in real time with low latency.
- Protects against lightning, reverse polarity and electrostatic shocks.

|                                 |                                                                                |
|---------------------------------|--------------------------------------------------------------------------------|
| S/N Ratio                       | 70 dB (1 KHz and Max dB SPL)                                                   |
| Gains Adjustment                | 0–4.6 VPP adjustable (1 KHz and Max dB SPL)                                    |
| Direction Feature               | Omnidirection                                                                  |
| Dynamic Range                   | 40 dB (1 KHz and Max dB SPL)                                                   |
| Total Harmonic Distortion (THD) | 0.4% (1 KHz and Max dB SPL)                                                    |
| Overload Sound Pressure Level   | 82.5 dB spl (1 kHz and THD≤ 3%)                                                |
| Equivalent Noise Level          | ≤28 dB spl (A)                                                                 |
| Output Impedance                | 40.5 Ohmic non-equilibrium                                                     |
| Maximum Output Range            | 2.77 VPP (1 KHz and Max dB SPL)                                                |
| Microphone                      | High-fidelity silicone microphone                                              |
| Signal Processing               | Digital noise reduction, reverberation, voice enhancement, howling suppression |

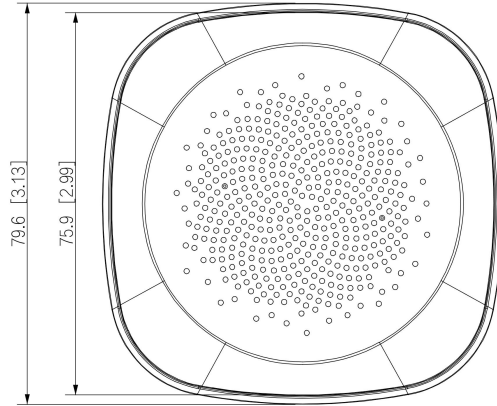
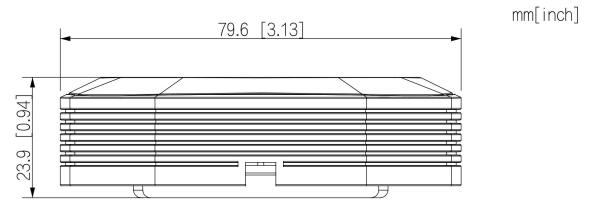
#### General Parameters

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| Connection Mode       | One RCA female connector and one DC pin power connector.                                      |
| Transmission Cable    | 4-core 0.5 mm <sup>2</sup> RVVP shielded cable                                                |
| Power Supply          | 12 VDC                                                                                        |
| Protection Circuit    | 8 KV Air, 6 KV contact ESD lightning protection, power polarity reverse connection protection |
| Drive Performance     | Built-in front amplifier circuit that allows headphones to be connected to the device.        |
| Power Consumption     | <2 W                                                                                          |
| Operating Temperature | –20 °C to +60 °C (–4 °F to +140 °F)                                                           |
| Operating Humidity    | 0%–95% (RH), non-condensing                                                                   |
| Protection            | IP2X                                                                                          |

# Pickup Series | DH-HAP201

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| Appearance Color     | White upper cover and silver base                          |
| Casing               | PC and ABS casing                                          |
| Product Dimensions   | Φ79.6 mm × 23.9 mm (Φ3.13" × 0.94")                        |
| Packaging Dimensions | 124 mm × 93 mm × 59 mm (4.88" × 3.66" × 2.32") (L × W × H) |
| Net Weight           | <0.2 kg (0.44 lb)                                          |
| Gross Weight         | <0.2 kg (0.44 lb)                                          |

## Dimensions (mm[inch])



## Ordering Information

| Type               | Model     | Description        |
|--------------------|-----------|--------------------|
| Hi-fidelity Pickup | DH-HAP201 | Hi-fidelity Pickup |

## Installation

