micnode2g

Next generation gooseneck microphone station

With its sleek and elegant design the micnode2g microphone station presents the cutting-edge of microphone stations. It is built using the proven micnode2 technology with focus on premium user experience.

The operation of the device is facilitated using an eight-inch touchscreen LCD, a built-in smooth push-to-talk action button and a status LED. Users have the flexibility to configure the display to showcase a built-in user interface, Simpleway CX applications, third-party HTML5 applications, or a Q-SYS™ UCI.

Built atop the nnounce™ secure & scalable audio platform, this device has powerful built−in signal processing capabilities. The embedded neural engine enables smooth speech−to−text and text−to−speech functions directly within the device.

Utilizing contemporary audio standards like AES67, RTP, or VoIP, the device is proficient in network communication. Furthermore, it has the capability to add an extra encryption layer and thereby preventing eavesdropping by malicious actors.

Showcasing a built-in secure−enclave element, the device supports secure connectivity to major industry cloud providers. It is ready for use with Simpleway CX cloud out of the box.

key features

- Microphone station with **elegant gooseneck microphone**
- **Eight-inch full color touchscreen LCD** for clear user operation
- **Customizable user interface** for advance applications
- Easily expandable to secondary location using **micnode aux extension unit**
- Compatible with **Q−SYS**
- Audio processing using powerful built−in **processing engine**
- Hardware **neural engine** for applications such as text−to−speech and speech−to−text
- Enhanced security thanks to **encryption** of industry standard audio protocols such as AES67
- Easily usable with **Simpleway CX** cloud
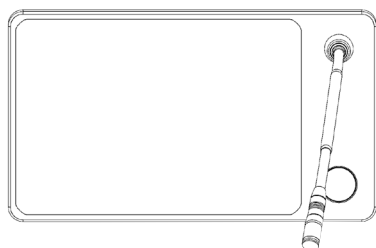- File **recording and playback** capability
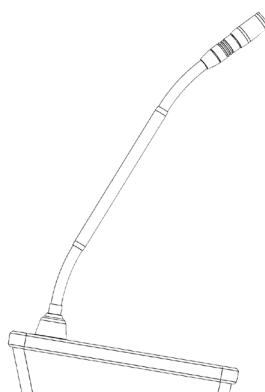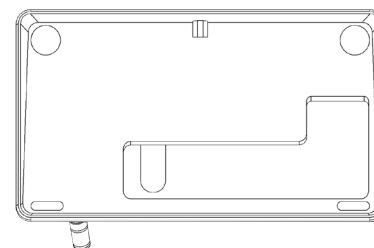
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Description	Secure microphone station with built−in processing, neural engine and I/O
Audio	AD Converter: 24 Bit @ 48 kHz 125 dB−A Dynamic Range − 0.00x % THD+N Crosstalk (1 kHz) − 60 dB DA Converter: 24 Bit @ 48 kHz 115 dB−A Dynamic Range − 0.00x % THD+N Max output level 1.44 Vrms 2.5 ms end−to−end latency AES67 network audio (with optional encryption)
Connectivity	1 x Rear Aux microphone station input 2 x Balanced audio output 2 x Protected GPIO 1 x USB−C 2 x LAN RJ45 1000 Mbps with PoE
DSP	Built−in web−based graphical DSP pipeline designer 60+ Component library Extended precision fixed point processing API library
User Interface	8" Capacitive touchscreen, WUXGA (1920x1200) Web−based interface Cloud−connected
Security	Secure boot Encrypted firmware Tamper sensing Secure enclave chip AES256−GCM encryption for AES67
Storage	Onboard microSD card slot
Environmental	Operating temperature range 32 °F − 122 °F (0 °C − +50 °C) Storage temperature range 14 °F to 140 °F (−10 °C − +60 °C)
Power	IEEE 802.3af power over Ethernet (PoE)
Dimensions	250 mm (W) x 40 mm (D) (max. without microphone) x 145 mm (H) 1 520 g
Accessories	Micnode AUX Station (optional)

FRONT VIEW

SIDE VIEW

REAR VIEW