

ZENMUSE V1 SPEAKER

GENERAL

Product Name:

Zenmuse V1

Weight:

690±10 g

Dimensions:

134×119×140 mm (L×W×H)

Rated Power:

30 W

Supported Aircraft:

Matrice 400

Matrice 350 RTK

Matrice 300 RTK (requires DJI RC Plus)

Shell Temperature:

<50° C (122° F, plastic shell)

Measured in a laboratory environment with the speaker installed on the aircraft at an ambient temperature of 25° C (77° F).

Ingress Protection Rating:

IP54



GIMBAL

Stabilization System:

Single-axis (tilt)

Angular Vibration Range:

Hover: ±0.01°

Flight: ±0.02°

Mounting:

Detachable DJI SKYPORT

Mechanical Range:

Tilt: -125° to +25°

Structural limit, not controllable range.

Controllable Range

Tilt: +20° to -120°

When mounted on the third gimbal connector of Matrice 400, the controllable tilt range is from +2° to -62°.

Operation Mode:

Follow / Free / Re-cent

ENVIRONMENT

Operating Temperature:

-20° to 50° C (-4° to 122° F)

Storage Temperature:

-20° to 60° C (-4° to 140° F)

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SPEAKER

Impedance:

4 Ω

Nominal Power:

25 W

Effective Broadcast Distance:

700 m (Matrice 400)

500 m (Matrice 350 RTK/Matrice 300 RTK)

Measured in a laboratory environment at 25° (77° F). Actual conditions may vary slightly due to software version, audio source, specific environment, and other factors. The final effect is subject to actual use..

Max Sound Pressure Level:

129 dB @ 1 m (Matrice 400)

127 dB @ 1 m (Matrice 350 RTK/Matrice 300 RTK)

Measured in a laboratory environment at 25° (77° F). Actual conditions may vary slightly due to software version, audio source, specific environment, and other factors. The final effect is subject to actual use.

Effective Bandwidth:

800 Hz to 8 kHz



BASIC FEATURES

Record & Broadcast:

Record & broadcast

Real-time broadcasting (Matrice 400 only)

Text-to-Speech:

Text-to-speech and storage

Matrice 400: Chinese, English, Spanish, Korean, Japanese, and French.

Matrice 350 RTK/Matrice 300 RTK: Chinese and English.

Audio File Playback:

Supports importing local files in MP3, AAC, and WAV formats.

Supports simultaneous file transfer and playback when paired with Matrice 400.

Playback Control:

Start / Stop recording / Loop playback / Volume adjustment

Remote Controller Button:

Can set one button to press once to start recording, and press again to stop and play the recording.

Gimbal Synchronization:

Supports synchronized control with other gimbal-equipped payloads