



ZENMUSE V1

DJI's first speaker designed for multi-payload drone platforms. It boasts high volume, long broadcast distance and supports multiple broadcast modes - ideal for public safety and security, emergency rescue, and more.

GENERAL

Dimensions:	134 × 119 × 140 mm	Weight:	690 ± 10 g
Ingress Protection Rating:	IP54	Rated Power:	30 W
Shell Temperature:	< 50° C		
Supported Aircraft:	Matrice 400, Matrice 350 RTK and Matrice 300 RTK (requires DJI RC Plus)		

ENVIRONMENTAL

Operating Temperature:	-20° to 50° C	Storage Temperature:	-20° to 60° C
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GIMBAL

Angular Vibration Range:	Hover: ± 0.01° Flight: ± 0.02°	Stabilization System:	Single-axis (tilt)
Mechanical Range:	Tilt: -125° to +25°	Mounting:	Detachable DJI SKYPOR
Controllable Range:	Matrice 400	Operation Mode:	Follow / Free / Re-centre
	Matrice 300 /350 RTK		Single or Dual Downward Gimbal Connector: -120° to -5° Third Gimbal Connector on the Underside: -60° to 0°
			Single or Dual Downward Gimbal Connector: -120° to -5° Single Upward Gimbal Connector: -5° to +120°

SPEAKER

Impedance:	4 Ω	Nominal Power:	25 W
Effective Bandwidth:	800 Hz to 8 kHz		
Effective Broadcast Distance:	700 m (Matrice 400) 500 m (Matrice 300/350 RTK)	Max Sound Pressure Level:	129 dB @ 1 m (Matrice 400) 127 dB @ 1 m (Matrice 300/350 RTK)

BASIC FEATURES

Record & Broadcast:	Record & broadcast Real-time broadcasting (Matrice 400 only).
Text-to-Speech:	Text-to-speech and storage.
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.
Audio File Playback:	Supports importing local files in MP3, AAC, and WAV formats. Supports simultaneous file transfer and playback when paired with Matrice 400.

SPECIAL FEATURES

Intelligent Volume Adjustment:	Automatically limits brightness to 40% when not in flight.
Directional Audio Recording:	LED, LEP temperature protection, overcurrent protection & power protection.
Payload Protection:	When two Zenmuse S1 are mounted on Matrice 400, both can be controlled at the same time.
Directional Broadcasting:	When used with the Zenmuse H30 Series on Matrice 400, Zenmuse S1 employs gimbal synchronization to automatically align the spotlight beam with the camera view.

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