# **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  $+2^{\circ}$  to  $-62^{\circ}$ .

**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)



# **ZENMUSE V1 SPEAKER**

## **SPEAKER**

#### Impedance:

4Ω

## **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:**

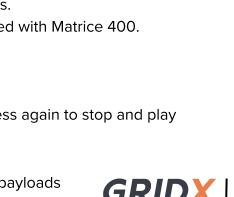
Start / Stop recording / Loop playback / Volume adjustment

## **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



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