

ZENMUSE S1 SPOTLIGHT

GENERAL

Product Name:

Zenmuse S1

Weight:

760±10 g

Dimensions:

125×152×171 mm (L×W×H)

Rated Power:

120 W (Matrice 400)

68 W (Matrice 300 RTK/Matrice 350 RTK)

Supported Aircraft:

Matrice 400

Matrice 350 RTK

Matrice 300 RTK (requires DJI RC Plus)

Eye Safety Class:

IEC 62471: Risk Group 1

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:

3-axis (tilt, roll, pan)

Angular Vibration Range:

Hover: ±0.01°

Flight: ±0.02°

Mounting:

Detachable DJI SKYPORT

Mechanical Range:

Tilt: -129° to +73°

Roll: ±55.8°

Pan: ±327°

Controllable Range

Tilt: -120° to +60°

Pan: ±320°

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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ILLUMINANCE

Maximum Central Illuminance:

40 lux @ 100 m (Matrice 400, Both On mode)

35 lux @ 100 m (Matrice 300 RTK/Matrice 350 RTK, Both On mode)

Measured in a laboratory environment at an ambient temperature of 25° C (77° F) with the Zenmuse S1 installed on the aircraft.

Low Beam Central Illuminance:

20 lux @ 100 m (Matrice 400, Low Beam mode)

13 lux @ 100 m (Matrice 300 RTK/Matrice 350 RTK, Low Beam mode)

Measured in a laboratory environment at an ambient temperature of 25° C (77° F) with the Zenmuse S1 installed on the aircraft.

High Beam Central Illuminance:

30 lux @100 m (High Beam mode)

Measured in a laboratory environment at an ambient temperature of 25° C (77° F) with the Zenmuse S1 installed on the aircraft

Effective Illumination Angle:

15±1° (10% relative illuminance, Low Beam mode and Both On mode)

4±0.5° (10% relative illuminance, High Beam mode)

Typical Color Temperature:

6500K typical value (Low Beam mode)

7500K typical value (High Beam mode)

Measured in a laboratory environment at an ambient temperature of 25° C (77° F) using an integrating sphere. Actual results may vary slightly due to different experimental conditions, and the final effect is subject to actual use.

Dimming Mode:

Analog dimming

Effective Illumination Distance:

500 m (Both On mode)

Measured in a laboratory environment at an ambient temperature of 25° C (77° F). Actual conditions may vary slightly due to specific environmental humidity, weather conditions, and other factors. The final effect is subject to actual use.

BASIC FEATURES

Lighting Control:

Turning light on/off, brightness adjustment

Strobe Mode:

5 Hz strobe

Lighting Mode:

Low Beam mode, High Beam mode, Both On mode

Remote Controller Buttons:

Can be set for turning the light on/off, brightness adjustment, or lighting mode changes

Gimbal Synchronization:

Supports synchronized control with other gimbal-equipped payloads