

ZENMUSE P1



GENERAL

Product Name

ZENMUSE P1

Dimensions

198×166×129 mm

Weight

Approx. 800 g

Power

20W

IP Rating

IP4X

Supported Aircraft

Matrice 300 RTK

Operating Temperature Range

-20° to 50° C (-4° to 122° F)

Storage Temperature Range

-20° to 60° C (-4° to 140° F)

Absolute Accuracy

Horizontal: 3 cm, Vertical: 5 cm *

* Using Mapping Mission at a GSD of 3 cm and flight speed of 15 m/s, with a 75% front overlap rate and a 55% side overlap rate.

CAMERA

Sensor

Sensor size (Still): 35.9×24 mm (Full frame)

Sensor size (Max video recording area): 34×19 mm

Effective Pixels: 45MP

Pixel size: 4.4 μm

Supported Lenses

DJI DL 24mm F2.8 LS ASPH (with lens hood and balancing ring/filter), FOV 84°

DJI DL 35mm F2.8 LS ASPH (with lens hood and balancing ring/filter), FOV 63.5°

DJI DL 50mm F2.8 LS ASPH (with lens hood and balancing ring/filter), FOV 46.8°

Supported SD Cards

SD: UHS-I rating or above; Max capacity: 512 GB

Storage Files

Photo / GNSS Raw Observation Data/ Image Log File

Photo Size

3:2 (8192×5460)

Operation Modes

Photo, Video, Playback

Minimum photo interval

0.7 s

Shutter Speed

Mechanical Shutter Speed: 1/2000*-1 s

Electronic Shutter Speed: 1/8000-1 s

*Aperture value no larger than f/5.6

Aperture Range

f/2.8-f/16

ISO Range

Photo: 100-25600

Video: 100-25600

GRIDX
metering and control

ZENMUSE P1



VIDEO

Video Format

MP4,MOV

Video Resolution

16:9 (1920×1080)

16:9 (3840×2160)*

*Only 35mm lens supported

Frame Rate

60fps

GIMBAL

Stabilized System

3-axis (tilt, roll, pan)

Angular Vibration Range

±0.01°

Mount

Detachable DJI SKYPORT

Mechanical Range

Tilt: -130° to +40°;

Roll: -55° to +55°;

Pan: ±320°

GRIDX
metering and control