# Specifications

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| General | |
| Model | ZENMUSE P1 (ZMP1) |
| Size | 198×166×129 mm |
| Weight | Approx. 800 g |
| IP Rating | IP4X |
| Supported Aircraft | Matrice 300 RTK |
| Power | DC 13.6 V 30W |
| 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 cm① |
| Camera | |
| Sensor | Sensor size (photo): 35.9×24 mm (full frame)<br>Sensor size (video): 34×19 mm (max recording area)<br>Effective pixels: 45 MP<br>Pixel size: 4.4 μm |
| Supported Lenses | DJI DL 24mm F2.8 LS ASPH Lens (with lens hood and balancing ring/filter), FOV 84°<br>DJI DL 35mm F2.8 LS ASPH Lens (with lens hood and balancing ring/filter), FOV 63.5°<br>DJI DL 50mm F2.8 LS ASPH Lens (with lens hood and balancing ring/filter), FOV 46.8° |
| Supported SD Cards | SD: UHS-1 rating or above; Max capacity: 512 GB |
| Recommended SD Cards | Lexar Professional 633x 128GB SDXC UHS-I Card<br>Lexar Professional 633x 256GB SDXC UHS-I Card<br>Lexar Professional 633x 512GB SDXC UHS-I Card<br>Lexar Professional 667X 256GB SDXC UHS-I/U3 Card<br>Lexar Professional 667X 128GB SDXC UHS-I/U3 Card<br>Lexar Professional 1066x 128GB SDXC UHS-I Card<br>Lexar Professional 1667X 128GB SDXC Uhs-II/U3 Card<br>Lexar Professional 1667X 256GB SDXC Uhs-II/U3 Card<br>Lexar Professional 2000x 128GB SDXC UHS-II Card<br>SanDisk 128GB Extreme PRO SDXC UHS-I Card<br>SanDisk 512GB Extreme PRO SDXC UHS-I Card<br>SanDisk 128GB SDXC SD Extreme PRO UHS-II Card<br>Samsung PRO Plus SDXC Full Size SD Card 128GB<br>Samsung PRO Plus SDXC Full Size SD Card 256GB<br>Sony E series SDXC UHS-II Card 256GB<br>Sony M Series SDXC UHS-II Card 128GB |
| Storage Files | Photo/Raw GNSS 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 s②<br>Electronic Shutter Speed: 1/8000-1 s |

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| Aperture Range | f/2.8-f/16 |

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| ISO Range | Photo: 100-25600 |
| Video Format | MP4, MOV |
| Video Resolution | 16:9 (1920×1080)<br>16:9 (3840×2160)[3] |
| Frame Rate | 60 fps |
| Gimbal | |
| Stabilized System | 3-axis (tilt, roll, pan) |
| Angular Vibration Range | ±0.01° |
| Mount | Detachable DJI SKYPORT |
| Controllable Range | Tilt: -130° to +40°<br>Roll: -55° to +55°<br>Pan: ±320° |

