

Specifications

General	
Product Name	ZENMUSE P1
Size	198×166×129 mm
Weight	Approx. 800 g
IP Rating	IP4X
Supported Aircraft	Matrice 300 RTK
Power	20 W
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 [†]
Camera	
Sensor	Sensor size (photo): 35.9×24 mm (full frame) Sensor size (video): 34×19 mm (max recording area) Effective pixels: 45 MP Pixel size: 4.4 μm
Supported Lenses	DJI DL 24mm F2.8 LS ASPH Lens (with lens hood and balancing ring/filter), FOV 84° DJI DL 35mm F2.8 LS ASPH Lens (with lens hood and balancing ring/filter), FOV 63.5° 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 Lexar Professional 633x 256GB SDXC UHS-I Card Lexar Professional 633x 512GB SDXC UHS-I Card Lexar Professional 667X 256GB SDXC UHS-I/U3 Card Lexar Professional 667X 128GB SDXC UHS-I/U3 Card Lexar Professional 1066x 128GB SDXC UHS-I Card Lexar Professional 1667X 128GB SDXC UHS-II/U3 Card Lexar Professional 1667X 256GB SDXC UHS-II/U3 Card Lexar Professional 2000x 128GB SDXC UHS-II Card SanDisk 128GB Extreme PRO SDXC UHS-I Card SanDisk 512GB Extreme PRO SDXC UHS-I Card SanDisk 128GB SDXC SD Extreme PRO UHS-II Card Samsung PRO Plus SDXC Full Size SD Card 128GB Samsung PRO Plus SDXC Full Size SD Card 256GB Sony E series SDXC UHS-II Card 256GB 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 s ² Electronic Shutter Speed: 1/8000-1 s
Aperture Range	f/2.8-f/16

ISO Range	Photo: 100-25600 Video: 100-25600
Video Format	MP4, MOV
Video Resolution	16:9 (1920×1080) 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° Roll: -55° to +55° Pan: ±320°

- ① Absolute accuracy measured with an aircraft with a GSD of 3 cm, flight speed of 15 m/s, 75% forward overlap ratio, and 55% side overlap ratio.
- ② Aperture value no larger than f/5.6. The camera will automatically switch to the electronic shutter when the shutter speed is larger than 1/10 s.
- ③ Only 35mm lens supported.