

# Specs

## 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 an 75% front overlap rate and a 10% 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 *Aperature value no larger than f/5.6

Aperture Range	f/2.8-f/16
ISO Range	Photo: 100-25600 Video: 100-25600

## 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°

Product Categories	Where to Buy	Fly Safe	Explore	Community
Consumer	DJI Online Store	Fly Safe	Newsroom	SkyPixel
Professional	Flagship Stores	DJI Flying Tips	Events	DJI Forum
Enterprise	DJI-Operated Stores	Support	Buying Guides	Developer
Components	Retail Stores	Product Support	STEAM Education	Subscribe
Service Plan	Enterprise Retailers	Repair Services	Mini Drones	Get the latest news from
DJI Care	Agricultural Drone Dealer	Help Center	DJI Camera Drones	<input type="text" value="Your email address"/>
Osmo Shield	Pro Retailers	After-Sales Service Policies	DJI Affiliate Program	
DJI Care Refresh	DJI Store App	Download Center		
	Cooperation	Security and Privacy		
	Become a Dealer			
	Apply For Authorized Store			