

Rate of Data Collection	Max operating area of approx. 0.63 km ² for a single flight at an altitude of 180 m, i.e., GSD is approx. 9.52 cm/pixel, with a forward overlap rate of 80% and a side overlap ratio of 60%, during a flight that drains the battery from 100% to 30%.
Gimbal	
Controllable Range	Pitch: -90° to +30°
Vision System	
Velocity Range	≤ 31 mph (50 kph) at 6.6 ft (2 m) above ground with adequate lighting
Altitude Range	0 - 33 ft (0 - 10 m)
Operating Range	0 - 33 ft (0 - 10 m)
Obstacle Sensory Range	2 - 98 ft (0.7 - 30 m)
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)
Infrared Sensing System	
Obstacle Sensory Range	0.6 - 23 ft (0.2 - 7 m)
FOV	70°(Horizontal), ±10°(Vertical)
Measuring Frequency	10 Hz
Operating Environment	Surface with diffuse reflection material, and reflectivity > 8% (such as wall, trees, humans, etc.)
Camera	
Sensors	Six 1/2.9" CMOS, including one RGB sensor for visible light imaging and five monochrome sensors for multispectral imaging. Each Sensor: Effective pixels 2.08 MP (2.12 MP in total)
Filters	Blue (B): 450 nm ± 16 nm; Green (G): 560 nm ± 16 nm; Red (R): 650 nm ± 16 nm; Red edge (RE): 730 nm ± 16 nm; Near-infrared (NIR): 840 nm ± 26 nm
Lenses	FOV (Field of View): 62.7° Focal Length: 5.74 mm (35 mm format equivalent: 40 mm), autofocus set at ∞ Aperture: f/2.2
RGB Sensor ISO Range	200 - 800
Monochrome Sensor Gain	1 - 8x
Electronic Global Shutter	1/100 - 1/20000 s (visible light imaging); 1/100 - 1/10000 s (multispectral imaging)
Max Image Size	1600×1300 (4:3.25)
Photo Format	JPEG (visible light imaging or multispectral index map) + TIFF (multispectral imaging)
Supported File Systems	FAT32 (≤ 32 GB); exFAT (> 32 GB)
Supported SD Cards	microSD with a minimum write speed of 15 MB/s. Max Capacity: 128 GB. Class 10 or UHS-1 rating required
Operating Temperature	0° to 40° C (32° to 104° F)

Remote Controller	
Operating Frequency	2.4000 GHz to 2.4835 GHz (Europe, Japan, Korea) 5.725 GHz to 5.850 GHz (Other countries/regions) ^[1]
Transmission Power (EIRP)	2.4 GHz: < 20 dBm (CE / MIC / KCC) 5.8 GHz: < 26 dBm (FCC / SRRC / NCC)
Max Transmission Distance	FCC / NCC: 4.3 mi (7 km); CE / MIC / KCC / SRRC: 3.1 mi (5 km) (Unobstructed, free of interference)
Built-in Battery	6000 mAh LiPo 2S
Operating Current / Voltage	1.2 A @ 7.4 V
Mobile Device Holder	Tablets and smartphones
Operating Temperature	0° to 40° C (32° to 104° F)
Intelligent Flight Battery (PH4-5870mAh-15.2V)	
Capacity	5870 mAh
Voltage	15.2 V
Battery Type	LiPo 4S
Energy	89.2 Wh
Net Weight	468 g
Operating Temperature	-10° to 40° C (14° to 104° F)
Charging Temperature	5° to 40° C (41° to 104° F)
Max Charging Power	160 W
Intelligent Flight Battery Charging Hub (P4CH)	
Voltage	17.5 V
Operating Temperature	5° to 40° C (41° to 104° F)
AC Power Adapter (PH4C160)	
Voltage	17.4 V
Rated Power	160 W

[1] To comply with local laws and regulations, this frequency is not available in some countries or regions.

[2] Support for Galileo is coming soon.