

Aircraft

Takeoff weight	1127 g
Max takeoff weight	2000 g
Wheelbase	397 mm
Battery	7100 mAh
Max flight time(no wind)	40min
Max hovering time(no wind)	35min
Max horizontal flight speed	20 m/s
Max ascent speed	8 m/s
Max descent speed	4 m/s
Max flight distance (no wind)	25 km
Maximum service ceiling altitude	7000 m
Maximum resistance to wind	Level 8
Operating temperature range	-10°C ~ 40°C

Operating frequency	non-Japan: 2.400 GHz - 2.4835 GHz ; 5.725 - 5.850 GHz Japan: 2.400 GHz - 2.4835 GHz ; 5.650 - 5.755 GHz
Transmission power	2.4GHz FCC/ISED: ≤ 27 dBm SRRC/CE/MIC/RCM: ≤ 20 dBm 5.8G (non-Japan) ; 5.7G (non-Japan) FCC/ISED/SRRC/MIC: ≤ 27 dBm CE/ RCM: ≤ 14 dBm
Hovering accuracy	Vertical: ± 0.02 m (when the visual positioning is working normally) ; ± 0.2 m (when GPS works normally) Horizontal: ± 0.02 m (when the visual positioning is working normally) ; ± 0.5 m (when GPS works normally)

Gimbal

Mechanical range	Tilt: -135° ~ +45° Pan: -100° ~ +100°
Controllable rotation range	Tilt: -90° ~ +30° Pan: -90° ~ +90°
Stabilization System	Three-axis stabilization
Max control speed (Tilt)	300°/s
Angular Vibration Range	±0.005°

Sensing system

Sensing system type	Omnidirectional sensing system
Forward	Accurate measurement range: 0.5 - 20 m Detection range: 0.5 - 40 m Effective sensing speed: < 15m/s Viewing angle: Horizontal: 60°, Vertical: 80°
Backward	Accurate measuring range: 0.5 - 16 m Detection range: 0.5 - 32 m Effective sensing speed: < 12m/s Viewing angle: Horizontal: 60°, Vertical: 80°
Upward	Accurate measurement range: 0.5 - 12 m Detection range: 0.5 - 24 m Effective sensing speed: < 6m/s

Downward	Viewing angle:horizontal: 65°, vertical: 50° Accurate measurement range: 0.5 - 11 m Detection range: 0.5 - 22 m Effective sensing speed: < 6m/s
Left and right	Viewing angle: horizontal: 100°, vertical: 80° Accurate measurement range: 0.5 - 12 m Detection range: 0.5 - 24 m Effective sensing speed: < 10m/s
Operating Environment	Viewing angle: horizontal: 65°, vertical: 50° Forward, Backward and Sides : Surface with clear pattern and adequate lighting (>lux > 15) Upward : Detects diffuse reflective surfaces >20% (walls, trees, people, etc) Downward : Surface with clear pattern and adequate lighting (> lux > 15) Detects diffuse reflective surfaces >20% (walls, trees, people, etc.)

Camera

Sensor	1/2" CMOS
effective pixels	4800万

FOV	79°
Lens	35 mm format equivalent focal length: 25.6 mm Aperture: f/1.8 Focus range: 0.5m to infinity (with auto focus)
ISO range	Video: 100-6400 Photos: 100-3200
Zoom	1-8x (up to 4x lossless zoom)
Photo mode	Single shot Burst shooting: 3/5frames Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias Time Lapse: JPG: 2s/5s/7s/10s/20s/30s/60s DNG: 5s/7s/10s/20s/30s/60s HyperLight: support (under 4K JPEG format) Long exposure: Max. 8s HDR imaging: support (under 4K JPEG format)
Maximum photo size	8000*6000 (4:3) 7680*4320 (16:9) 4000*3000 (4:3) 3840*2160 (16:9)
Video format	MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Video resolution	8K 7680*4320 p25/p24 6K 5760*3240 p30/p25/p24 4K 3840*2160 p60/p50/p48/p30/p25/p24

2.7K 2720*1528 p120/p60/p50/p48/p30/p25/p24
1080P 1920*1080
p120/p60/p50/p48/p30/p25/p24
Max bitrate 120Mbps

Remote Controller & image transmission

Max Transmission Distance (unobstructed, free of interference)	9km FCC, 5km CE
Transmission power	2.4~2.4835GHz FCC/ISED: ≤27dBm SRRC/CE/MIC/RCM: ≤20dBm 5.725~5.850GHz FCC/ISED/SRRC/MIC: ≤27dBm CE/RCM: ≤14dBm
Real-time image transmission quality	720p@30fps / 1080p@30fps
Maximum bit rate of real-time image transmission	40Mbps
Remote controller battery	5000mAh
Run time	3 hours

Charging time	2 hours fast charging
Display screen	3.26" OLED 854(W) * 480(H) Pixel Directly preview the video without connecting a mobile phone
Working current/voltage	1.7A@3.7V

Intelligent Flight Battery

Capacity(mAh)	7100mAh
Voltage(V)	11.55
Transmission power(2.4G)	13.2
Battery type	LiPo 3S
Energy	82Wh
Weight(g)	365
Charging temperature range(°C)	5~45°C
Storage temperature and humidity	-10~30°C, 65±20%RH
Recommended storage temperature	22~28°C

Max charging power(W) 93W
Charging time 90 minutes

Charger

Input	100-240 V, 50/60 Hz, 1.5A
Output	13.2 V = 5 A 5V=3A 9V=2A 12V=1.5A
Voltage	13.2 ± 0.1 V
Rated power	66 W

Storage

SD storage	Standard : 32 GB, max. support : 256GB (UHS-3 rating required)
In-flight storage	8GB