

Specifications

Aircraft	
Weight	300 g
Dimensions	143×143×55 mm
Diagonal Length (propellers excluded)	170 mm
Max Ascent Speed	9.8 ft/s (3 m/s) in Sport Mode
Max Descent Speed	9.8 ft/s (3 m/s) when using auto landing
Max Speed	31 mph (50 kph) in Sport Mode without wind
Max Service Ceiling Above Sea Level	13123 feet (4000 m)
Max Flight Time	16 minutes (0 wind at a consistent 15.5 mph (25 kph))
Max Hovering Time	15 minutes (0 wind)
Operating Temperature	32° to 104° F (0° to 40° C)
GNSS	GPS/GLONASS
GPS Hover Accuracy Range	Vertical: ±0.1 m (With Vision Positioning); ±0.5 m (With GPS Positioning) Horizontal: ±0.3 m (With Vision Positioning); ±1.5 m (With GPS Positioning)
Transmitter Power (EIRP)	2.4G FCC: 25dBm; CE: 18dBm; SRRC: 18dBm 5.8G FCC: 27dBm; CE: 14dBm; SRRC: 27dBm
Operation Frequency	2.400-2.4835GHz; 5.725-5.825GHz
Gimbal	
Controllable Range	Pitch: -85°to 0°
Stabilization	2-axis (pitch, roll)
3D Sensing System	
Sensing Range	0.6 - 16 ft (0.2 - 5 m)
Operating Environment	Surface with diffuse reflection material, size > 20×20 mm and reflectivity > 20% (such as wall, trees, humans, etc.)
Vision System	
Velocity Range	≤ 22.4 mph (36 kph) at 6.6 ft (2 m) above ground
Altitude Range	0 - 26 feet (0 - 8 m)
Operating Range	0 - 98 feet (0 - 30 m)
Operating Environment	Surfaces with a clear patterns and diffuse reflection material, reflectivity > 20%, adequate lighting (lux > 15)
Camera	
Sensor	1/2.3" CMOS; Effective pixels: 12 Megapixels
Lens	81.9° FOV, 25 mm (35 mm format equivalent), f/2.6 Shooting Range: 2 m to ∞

ISO Range	100-3200 (video), 100-1600 (photo)
Electronic Shutter Speed	2 - 1/8000 s
Max Image Size	3968 × 2976
Still Photography Modes	Single shot Burst shooting: 3 frames Auto Exposure Bracketing (AEB): 3 bracketed frames at 0.7EV Bias Interval (2/3/5/7/10/15/20/30/60 s)
Video Recording Modes	FHD: 1920×1080 30p
Video Storage Bitrate	24 Mbps
Supported File System	FAT32
Photo	JPEG
Video	MP4 (MPEG-4 AVC/H.264)
Supported SD Cards	Recommended Model: Sandisk 16/32 GB UHS-1 Micro SDHC Kingston 16/32 GB UHS-1 Micro SDHC Samsung 16/32 GB UHS-I Micro SDHC Sandisk 64 GB UHS-1 Micro SDXC Kingston 64 GB UHS-1 Micro SDXC Samsung 64 GB UHS-I Micro SDXC
Wi-Fi	
Operating Frequency	2.4G / 5.8G
Max Transmission Distance (Unobstructed, free of interference)	100 m (Distance), 50 m (Height)
Remote Controller	
Operating Frequencies	2.412-2.462 GHz, 5.745-5.825 GHz
Max Transmission Distance (Unobstructed, free of interference)	2.4 GHz FCC: 1.2 mi (2 km), CE: 0.31 mi (0.5 km), SRRC: 0.31 mi (0.5 km) 5.8 GHz FCC: 1.2 mi (2 km), CE: 0.19 mi (0.3 km), SRRC: 0.75 mi (1.2 km)
Operating Temperature Range	32° - 104° F (0° - 40° C)
Built-in Battery	2970 mAh
Transmitter Power (EIRP)	2.4 GHz FCC: ≤26 dbm, CE: ≤18 dBm, SRRC: ≤18 dBm 5.8 GHz FCC: ≤28 dbm , CE:≤14 dBm, SRRC: ≤26 dBm
Operating Voltage	950 mA @3.7 V
Supported Mobile Device Size	Thickness supported: 6.5 mm - 8.5 mm Max length: 160 mm
Charger	
Input	100-240V, 50/60Hz, 0.5A
Output	5V/3A, 9V/2A, 12V/1.5A

Intelligent Flight Battery

Capacity	1480 mAh
Voltage	11.4V
Max Charging Voltage	13.05 V
Battery Type	LiPo 3S
Energy	16.87 Wh
Net Weight	Approx. 95 g
Operating Temperature	41° to 104° F (5° to 40° C)
