

ATOM 2 Spec Sheet

Brand	Potensic
Color	Grey
Model	
Drone	
	<249 g (including the original intelligent battery, propellers, and a MicroSD card)
Takeoff Weight	
Folded Size	88 x 143 x 58 mm
Unfolded Size	300 x 242 x 58 mm
Unfolded Size	210 x 152 x 58 mm
Diagonal Dimension	219 mm
Max Speed(Sport Mode)	Ascent speed: 5 m/s
Max Wind Speed Resistance	38 km/h(Level 5)
Maximum Flight Altitude	120m(subject to local regulation)
Max Takeoff Altitude	4000 m
GNSS	GPS + GLONASS + Galileo + BeiDou
Operating Temperature	0° to 40°C (32° to 104°F)
Operating Frequency	2.400-2.4835 GHz
Transmission Power	FCC: <24 dBm
Hovering Accuracy Range	Vertical: ±0.1 m (with Vision Positioning), ±0.5 m (with GNSS Positioning)
Extra Payload	Not supported
Max Flight Time	32 mins
Max Hovering Time	29 mins (measured in indoor hovering)
Camera	
Lens Tilt Range	Tilt: -90° to +20°
Image Sensor	1/2" CMOS
Effective Pixel	48 MP
ISO Range	Normal video mode: 100-6400
Shutter Speed	1/6400-8 s
FOV	79.4°
Aperture	F1.8
Photo Resolution	8000×6000 (4:3)

Image Format	JPG / JPG + RAW (DNG)
Video Resolution	4K: 3840x2160 (16:9) @24/25/30fps;
Video Format	MP4 (H.264/H.265)
Max Video Bitrate	100 Mbps
Supported File Formats	FAT32, exFAT
Supported SD Card Type	MicroSD card
Max Vertical Image Size	1520 x 2704 (9:16)
Still Photography Modes	Single JPG: 12 MP and 48 MP
Color Mode	HDR
Defog Mode	Support
Digital Zoom	4K: 1-2x
Intelligent Flight Modes	Pull-away, Spiral, Rocket, Circle, Boomerang and Dolly Zoom
Tracking Modes	AI Visual Tracking
Gimbal	
Mechanical Range	Tilt: -125° to +45°
Controllable Range	Tilt: -90° to +20°
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.01°
Downward Vision System	
Hovering Range	0.3 - 5 m (ideal environment);
Visual Positioning Inoperative Scen	1. Monochrome surfaces, such as pure black or pure white.
Video Transmission	
Video Transmission System	PixSync 4.0
Operating Frequency	2.400 - 2.4835 GHz
Transmitter Power (EIRP)	FCC: < 24 dBm
Live View Quality	1080p@30fps
Latency	120 ms
Max Transmission Bitrate	6 Mbps
Max Transmission Distance	10 km
Antenna	Dual Antennas
Max Wi-Fi Download Speed	Wi-Fi 5 & 5 GHz: 25 MB/s
Wi-Fi Protocol	802.11 a/b/g/n/ac
Wi-Fi Operating Frequency and T	2.4 GHz: < 17 dBm (FCC/CE/SRRC)
Bluetooth Protocol	Bluetooth 4.0/4.2
Bluetooth Operating Frequency	2.400 - 2.4835 GHz

Bluetooth Transmitter Power (EIRP)	< 8 dBm
Wi-Fi & Bluetooth Antenna	Single antenna
Remote Controller	
Operation Frequency	2.400 - 2.4835 GHz
Max Transmission Distance(unobs)	10 km
Operating Temperature	0° to 40°C (32° to 104°F)
Battery	5200 mAh, 18.72 Wh
Transmitter Power (EIRP)	FCC: <24 dBm
Charging Interface	USB-C (Supports up to 18 W PD fast charging)
Charging Specification	5V/3A
Video Transmission System	PixSync 4.0
Video Transmission Quality	1080p
Supprted Mobile Device Size	Length: 170 mm,
Supprted Mobile Device Port Type	Lightning, USB-C, Micro-USB
Max Operating Time	4 h
Smart Battery	
Capacity	2230 mAh
Voltage	7.7 V
Battery Type	Li-Po 2S
Energy	17.18 Wh
Battery Weight	84 g
Operating Temperature	0° to 40°C (32° to 104°F)
Charging Method	1. USB-C Charging (maximum 5V/3A)
Charging Environment Temperature	0° to 40°C (32° to 104°F)
Fastest Charging Time	1.3 hours