

DJI Spark Specs

Aircraft..

Takeoff Weight	300 g
Dimensions	143×143×55 mm
Diagonal Distance (propellers excluded)	170 mm
Max Ascent Speed	9.8 ft/s (3 m/s) in Sport Mode without wind
Max Descent Speed	9.8 ft/s (3 m/s) in Auto Landing Mode
Max Speed	31 mph (50 kph) in Sport Mode without wind
Max Service Ceiling Above Sea Level	13,123 feet (4,000 m)
Max Flight Time	16 minutes (no wind at a consistent 12.4 mph (20 kph))
Max Hovering Time	15 minutes (no wind)
Operating Temperature Range	32° to 104° F (0° to 40° C)
Satellite Positioning Systems	GPS/GLONASS
Hover Accuracy Range	Vertical: +/- 0.1 m (when Vision Positioning is active) or +/-0.5 m Horizontal: +/- 0.3 m (when Vision Positioning is active) or +/-1.5 m
Transmitter Power (EIRP)	2.4 GHz FCC: 25 dBm; CE: 18 dBm; SRRC: 18 dBm; MIC:18 dBm 5.8 GHz FCC: 27 dBm; CE: 14 dBm; SRRC: 27 dBm; MIC: -
Operating Frequency	2.400 - 2.483 GHz; 5.725 - 5.825 GHz

3D Sensing system

Obstacle Sensing Range	1-16 ft (0.2 - 5 m)
Operating Environment	Detects diffuse reflective surfaces (>20%) larger than 20x20 cm (walls, trees, people, etc.)

Camera

Sensor	1/2.3" CMOS Effective pixels: 12 MP
---------------	--

Lens	FOV 81.9° 25 mm (35 mm format equivalent) f/2.6 (shooting range: 2 m to ∞)
ISO Range	Video: 100-3200 Photo: 100-1600
Electronic Shutter Speed	2-1/8000 s
Image Size	3968×2976 1440×1080 with ShallowFocus 2300×1280 with Pano (horizontal) 960×1280 with Pano (vertical)
Still Photography Modes	Single Shot Burst Shooting: 3 frames Auto Exposure Bracketing (AEB): 3 bracketed frames at 0.7 EV bias Interval: 2/3/5/7/10/15/20/30/60 s
Video Resolution	FHD: 1920×1080 30p
Max Video Bitrate	24 Mbps
Supported File Systems	FAT32
Photo Format	JPEG
Video Format	MP4 (MPEG-4 AVC/H.264)

Remote Controller

Operating Frequency	2.412-2.462 GHz; 5.745-5.825 GHz 2.412 - 2.462 GHz (unobstructed, free of interference) FCC: 1.2 mi (2 km); CE: 0.3 mi (500 m)
Max Transmission Distance	SRRC: 0.3 mi (500 m); MIC: 0.3 mi (500 m) 5.745 - 5.825 GHz (unobstructed, free of interference) FCC: 1.2 mi (2 km); CE: 0.18 mi (300 m) SRRC: 0.7 mi (1.2 km); MIC: -
Operating Temperature Range	32° to 104° F (0° to 40° C)
Battery	2970 mAh
Transmitter Power (EIRP)	2.4 GHz FCC: ≤26 dBm; CE: ≤18 dBm; SRCC: ≤18 dBm; MIC: ≤18 dBm 5.8 GHz FCC: ≤28 dBm; CE: ≤14 dBm; SRCC: ≤26 dBm; MIC: -
Operating Current/Voltage	950 mAh @3.7 V
Supported Mobile Device Size	Thickness range: 6.5-8.5 mm Max length: 160 mm

Intelligent Flight Battery

Capacity	1480 mAh
Voltage	11.4 V
Max Charging Voltage	13.05 V
Battery Type	LiPo 3S
Energy	16.87 Wh
Net Weight	Approx. 0.2 lbs (95 g)
Charging Temperature Range	41° to 104° F (5° to 40° C)

Gimbal

Controllable Range	Pitch: -85° to 0°
Stabilization	2-axis mechanical (pitch, roll)

Vision System

Velocity Range	≤22.4 mph (36 kph) at 6.6 ft (2 m) above ground
Altitude Range	0-26 ft (0 - 8 m)
Operating Range	0-98 ft (0 - 30 m)
Operating Environment	Detects clearly patterned surfaces with adequate lighting (lux>15) and diffuse reflectivity (>20%)

Wi-Fi

Operating Frequency	2.4 GHz/5.8 GHz
Max Transmission Distance	100 m(Distance), 50 m(Height) (Unobstructed, free of interference)

Charger

Input	100-240 V; 50/60 Hz; 0.5 A
Output	5 V/3 A; 9 V/2 A; 12 V/1.5 A

Recommended Micro SD Cards

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