

Specs

Camera

Sensor	1/2.3-inch CMOS Effective Pixels: 12 MP
Lens	FOV: 150° Equivalent Focal Length: 14.66 mm Aperture: f/2.8 Focus Mode: FF Focus Range: 0.6 m to ∞
ISO Range	100-12800
Shutter Speed	1/50-1/8000 s
Still Photography Mode	Single Shot
Max Image Size	3840×2160
Photo Format	JPEG
Video Resolution	4K: 3840×2160@50/60fps FHD: 1920× 1080@50/60/100/120fps
Video Format	MP4/MOV (MPEG-4 AVC/H.264, HEVC/H.265)
Max Video Bitrate	120 Mbps
Color Mode	Standard, D-Cineline
EIS	Supported
Distortion Correction	Supported
Supported File System	exFAT (recommended) FAT32

Gimbal

Mechanical Range	Tilt: -65° to 70°
Controllable Range	Tilt: -50° to 58°
Stabilization	Single-axis (tilt), electronic roll axis
Max Control Speed	60°/s
Angular Vibration Range	±0.01° (Normal mode)
Electronic Roll Axis	Supported (can stabilize footage when the aircraft is tilted at up to 10°)

Aircraft

Takeoff Weight	Approx. 795 g
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Dimensions	255×312×127 mm (with propellers) 178×232×127 mm (without propellers)
Diagonal Distance	245 mm
Max Ascent Speed	M mode: No limit S mode: 15 m/s N mode: 8 m/s
Max Descent Speed	M mode: No limit S mode: 10 m/s N mode: 7 m/s
Max Horizontal Speed ^[1]	N mode: 15 m/s S mode: 27 m/s M mode: 39 m/s (27 m/s in Mainland China)
Max Horizontal Acceleration	0-100 kph: 2 s (in windless conditions while flying in M mode)
Max Flight Altitude	6000 m
Max Flight Time	Approx. 20 mins (measured while flying at 40 kph in windless conditions)
Max Hovering Time	Approx. 16 mins (measured when flying in windless conditions)
Max Flight Distance	16.8 km (measured in windless conditions)
Max Wind Speed Resistance	Level 6
Operating Temperature	-10° to 40° C (14° to 104° F)
Transmitter Power (EIRP)	2.400-2.4835 GHz FCC: ≤ 31.5dBm CE: ≤ 20 dBm SRRC: ≤ 20 dBm MIC: ≤ 20 dBm 5.725-5.850 Ghz FCC: ≤ 31.5 dBm CE: ≤ 14 dBm SRRC: ≤ 25.5 dBm
Antennas	Four antennas
Global Navigation Satellite System	GPS + GLONASS + Galileo
Hovering 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)
Supported SD Cards	microSD (up to 256 GB)
Internal Storage	N/A

Sensing System

Forward (Binocular)	Precision Measurement Range: 0.5-18 m Obstacle Sensing: Available in N mode only FOV: Horizontal 56° , Vertical 71°
Downward (Binocular + ToF)	ToF Effective Measurement Height: 10 m Precise Hovering Range: 0.5-15 m Vision Sensor Hovering Range 0.5-30 m
Downward Auxiliary Light	Single LED

Operating Environment	Surfaces with discernible patterns Diffuse reflectivity > 20% (e.g. walls, trees, people) Adequate lighting (lux > 15)
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Charger

Input	100-240V, 50/60 Hz, 1.8 A
Output	Battery Port: 25.2 V ± 0.1 V 3.57 A ± 0.1 A (high current) 1 A ± 0.2 A (low current) USB Port: 5V/2A (×2)
Rated Power	86 W

Intelligent Flight Battery

Battery Capacity	2000 mAh
Nominal Voltage	22.2 V
Max Charging Voltage	25.2 V
Type	LiPo 6S
Energy	44.4 Wh@0.5C
Discharge Rate	Typical: 7C
Weight	Approx. 295 g
Charging Temperature	5° to 40° C (41° to 104° F)
Max Charging Power	86 W

Video Transmission

Operating Frequency ^[2]	2.400-2.4835 GHz 5.725-5.850 GHz
Communication Bandwidth	Max 40 MHz
Live View Mode	Low-Latency Mode: 810p/100fps, with latency down to 30 ms* High-Quality Mode: 810p/60fps, with latency down to 40 ms* * The 150° FOV is only available when shooting at 50 or 100 fps. For other frame rates, the FOV will be 142°.
Max Video Bitrate	50 Mbps
Max Transmission Distance ^[3]	10 km (FCC), 6 km (CE), 6 km (SRRC), 6 km (MIC)
Audio Transmission	Supported

DJI FPV Goggles V2

Weight	Approx. 420 g (headband and antennas included)
Dimensions	184×122×110 mm (antennas excluded) 202×126×110 mm (antennas included)
Screen Size	2-inches (×2)

Screen Refresh Rate	144 Hz
Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Transmitter Power (EIRP)	2.400-2.4835 GHz FCC: ≤ 28.5 dBm CE: ≤ 20 dBm SRRC: ≤ 20 dBm MIC: ≤ 20 dBm 5.725-5.850 GHz FCC: ≤ 31.5 dBm CE: ≤ 14 dBm SRRC: ≤ 19 dBm
Communication Bandwidth	Max 40 MHz
Live View Modes	Low-Latency Mode: 810p/100fps, with latency down to 30 ms* High-Quality Mode: 810p/60fps, with latency down to 40 ms* * The 150° FOV is only available when shooting at 50 or 100 fps. For other frame rates, the FOV will be 142°.
Max Video Bitrate	50 Mbps
Max Transmission Distance	10 km (FCC), 6 km (CE), 6 km (SRRC), 6 km (MIC)
Video Format	MOV (Codec: H.264)
Audio Transmission	Supported
Supported Video Playback Format	MP4, MOV, MKV (H.264; audio formats: AAC-LC, AAC-HE, AC-3, MP3)
Operating Temperature	0° to 40° C (32° to 104° F)
Power Input	Dedicated DJI Goggles batteries
FOV	30° to 54°, adjustable Image size: 50-100%
Interpupillary Distance Range	58-70 mm
Supported SD Cards	microSD (up to 256 GB)

DJI FPV Goggles V2 Battery

Capacity	1800 mAh
Voltage	Max 9 V
Type	LiPo 2S
Energy	18 Wh
Charging Temperature	0° to 45° C (32° to 113° F)
Max Charging Power	10 W
Operating Time	Approx. 110 mins (using screen brightness of level 6 and tested in a 25°C/77°F environment)

DJI FPV Remote Controller 2

Operating Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Transmitter Power (EIRP)	2.400-2.4835 GHz FCC: ≤ 28.5 dBm CE: ≤ 20 dBm SRRC: ≤ 20 dBm

	MIC: ≤ 20 dBm
	5.725-5.850 GHz
	FCC: ≤ 31.5 dBm
	CE: ≤ 14 dBm
	SRRC: ≤ 19 dBm
Max Transmission Distance	10 km (FCC), 6 km (CE), 6 km (SRRC), 6 km (MIC)
dimensions	190×140×51 mm
Weight	346 g
Operating Time	Approx. 9 hours.
Charging Time	2.5 hours

Memory Card

Supported SD Cards	microSD card The aircraft and DJI FPV Goggles V2 support up to 256GB capacity, whereas DJI Goggles Integra supports up to 512GB capacity. It is recommended to use a UHS-I Speed Grade 3 microSD card.
Recommended microSD Cards	SanDisk High Endurance U3 V30 64GB microSDXC SanDisk Extreme PRO U3 V30 A2 64GB microSDXC SanDisk Extreme U3 V30 A2 64GB microSDXC SanDisk Extreme U3 V30 A2 128GB microSDXC SanDisk Extreme U3 V30 A2 256GB microSDXC Lexar 667x V30 128GB microSDXC Lexar High Endurance 128GB U3 V30 microSDXC Samsung EVO U3 (Yellow) 64GB microSDXC Samsung EVO Plus U3 (Red) 64GB microSDXC Samsung EVO Plus U3 256GB microSDXC Netac 256GB U3 A1 microSDXC

Other

Footnotes	<p>1. Max horizontal speed is subject to local laws and regulations. Always abide by local laws and regulations when flying.</p> <p>2. Due to local policy and regulation restrictions, the 5.8GHz frequency band is currently banned in certain countries, including but not limited to Japan, Russia, Israel, Ukraine, and Kazakhstan. Please use the 2.4GHz frequency band when operating in these locations. Always check local rules and regulations before use, as they may change over time.</p> <p>3. Data is tested under different standards in an outdoor open environment without interference. Only to serve as a reference for the max one-way communication distance without considering RTH. Please pay attention to any RTH prompts during actual flight. Max one-way communication distance of DJI FPV in countries/regions of different standards: FCC: United States, Australia, Canada, Hong Kong, Taiwan, Chile, Colombia, Puerto Rico, and other regions. SRRC: Mainland China; CE: UK, Russia, France, Germany, Portugal, Spain, Switzerland, Macau, New Zealand, UAE, and other regions. MIC: Japan.</p>
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