Specifications

Aircraft

General	
Dimensions (unfolded, excl. propellers)	470×585×215 mm (L×W×H)
Dimensions (folded)	365×215×195 mm (L×W×H)
Diagonal Wheelbase	668 mm
Weight (incl. two batteries)	3770 ± 10 g
Max Takeoff Weight	4069 g
Max Takeoff Weight for C2 Certification in EU	3998 g
Operating Frequency [1]	2.4000-2.4835 GHz, 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC); <20 dBm (CE/SRRC/MIC) 5.8 GHz: <33 dBm (FCC/SRRC); <14 dBm (CE)
Hovering Accuracy (windless or breezy)	Vertical: ±0.1 m (Vision System enabled); ±0.5 m (N-mode with GPS); ±0.1 m (RTK) Horizontal: ±0.3 m (Vision System enabled); ±1.5 m (N-mode with GPS); ±0.1 m (RTK)
RTK Positioning Accuracy (fixed RTK enabled)	1 cm+1 ppm (horizontal) 1.5 cm+1 ppm (vertical)
Max Angular Velocity	Pitch: 150°/s; Yaw: 100°/s
Max Tilt Angle	35° (N-mode and Forward Vision System enabled: 25°)
Max Ascent/Descent Speed	6 m/s; 5 m/s
Max Tilt Descent Speed	7 m/s
Max Horizontal Speed	23 m/s
Max Service Ceiling Above Sea Level (without other payload)	5,000 m (with 1671 propellers) 7,000 m (with 1676 propellers)
Max Wind Resistance	12 m/s
Max Hover Time [2]	36 min (with 1671 propellers) 34 min (with 1676 propellers)
Max Flight Time [2]	41 min (with 1671 propellers) 38 min (with 1676 propellers)
Motor Model	3511
Propeller Model	1671 1676 High Altitude (must be used in countries and regions with C2 certification)
Ingress Protection Rating [3]	IP55
GNSS	GPS+Galileo+BeiDou+GLONASS (GLONASS is supported only when RTK module is enabled)
Operating Temperature	-20° to 50° C (-4° to 122° F)

 © 2022 DJI All Rights Reserved.

Gimbal	
Angular Vibration Range	±0.01°
Controllable Range	Pan: ±90° , Tilt: -120° to +45°
Mechanical Range	Pan: ±105°, Tilt: -135° to +60°, Roll:±45°
Zoom Camera	
Sensor	1/2" CMOS, Effective pixels: 48M
Lens	Focal length: 21-75 mm (equivalent: 113-405 mm) Aperture: f/2.8-f/4.2 Focus: 5 m to ∞
Exposure Compensation	±3 ev (using 1/3 ev as step length)
Electronic Shutter Speed	Auto Mode: Photo: 1/8000-1/2 s Video: 1/8000-1/30 s M Mode: Photo: 1/8000-8 s Video: 1/8000 -1/30 s
ISO Range	100-25600
Max. Video Resolution	3840×2160
Max Photo Size	8000×6000
Wide Camera	
Sensor	1/2" CMOS, Effective pixels: 12M
Lens	DFOV: 84° Focal length: 4.5 mm (equivalent: 24 mm) Aperture: f/2.8 Focus: 1 m to ∞
Exposure Compensation	±3 ev (using 1/3 ev as step length)
Electronic Shutter Speed	Auto Mode: Photo: 1/8000-1/2 s Video: 1/8000-1/30 s M Mode: Photo: 1/8000-8 s Video: 1/8000-1/30 s
ISO Range	100-25600
Max. Video Resolution	3840×2160
Photo Size	4000×3000
Thermal Camera	
Thermal Imager	Uncooled VOx Microbolometer
Lens	DFOV: 61° Focal length: 9.1 mm (equivalent: 40 mm) Aperture: f/1.0 Focus: 5 m to ∞
Noise Equivalent Temperature Difference (NETD)	≤50mK@F1.0

 © 2022 DJI All Rights Reserved.

Infrared Temperature Measurement Accuracy [4]	±2°C or ±2% (using the larger value)
Video Resolution	Infrared Image Super-resolution Mode: 1280×1024 Normal Mode: 640×512
Photo Size	Infrared Image Super-resolution Mode: 1280×1024 Normal Mode: 640×512
Pixel Pitch	12 μm
Temperature Measurement Method	Spot Meter, Area Measurement
Temperature Measurement Range	High Gain Mode: -20° to 150° C (-4° to 302° F) Low Gain Mode: 0° to 500° C (32° to 932° F)
Temperature Alert	Supported
Palette	White Hot/Black Hot/Tint/Iron Red/Hot Iron/Arctic/Medical/Fulgurite/Rainbow 1/Rainbow 2
FPV Camera	
Resolution	1920×1080
DFOV	161°
Frame Rate	30 fps
Laser Module	
Wavelength	905 nm
Max Laser Power	3.5 mW
Single Pulse Width	6 ns
Measurement Accuracy	± (0.2 m + D×0.15%) D is the distance to a vertical surface
Measuring Range	3-1,200 m (0.5×12 m vertical surface with 20% reflectivity)
Safety Regulation Level	Class 1M
Accessible Emission Limit (AEL)	304.8 nJ
Reference Aperture	18mm length, 18mm width (20.3mm diameter if equivalent to circular)
Max Laser Pulse Emission Power Within 5 Nanoseconds	60.96 W
Vision Systems	
Obstacle Sensing Range	Forward: 0.6-38 m Upward/Downward/Backward/Sideward: 0.5-33 m
FOV	65° (H), 50° (V)
Operating Environment	Surfaces with clear patterns and adequate lighting (> 15 lux)
Infrared Sensing Systems	
Obstacle Sensing Range	0.1-10 m
FOV	30°
Operating Environment	Large, diffuse, and reflective obstacles (reflectivity >10%)

 © 2022 DJI All Rights Reserved.

TB30 Intelligent Flight Battery	
Capacity	5880 mAh
Voltage	26.1 V
Battery Type	Li-ion 6S
Energy	131.6 Wh
Net Weight	Approx. 685 g
Operating Temperature	-20° to 50° C (-4° to 122° F)
Storage Temperature	20° to 30° C (68° to 86° F)
Charging Temperature	-20° to 40° C (-4° to 104° F) (When the temperature is lower than 10° C (50° F), the self-heating function will be automatically enabled. Charging in a low temperature may shorten the lifetime of the battery)
Chemical System	LiNiMnCoO2
Auxiliary Lights	
Effective Illumination Distance	5 m
Illumination Type	60 Hz, solid glow

Remote Controller

General	
Screen	7.02 inch LCD touchscreen, with a resolution of 1920×1200 pixels, and high brightness of 1200 cd/m^2
Dimensions (antennas folded)	268×162.7×94.3 mm (L×W×H)
Weight	Approx. 1.25 kg (excl. WB37 battery) Approx. 1.42 kg (incl. WB37 battery)
Internal Battery	Type: Li-ion (6500 mAh @ 7.2 V) Charge Type: Supports battery station or USB-C charger maximum rated power 65W (max voltage of 20V) Charge Time: 2 hours Chemical System: LiNiCoAlO2
External Battery (WB37 Intelligent Battery)	Capacity: 4920 mAh Voltage: 7.6 V Battery Type: Li-ion Energy: 37.39 Wh Chemical System: LiCoO2
Operating Time [5]	Internal Battery: Approx. 3 hours 18 min Internal Battery + External Battery: Approx. 6 hours
Ingress Protection Rating [3]	IP54
GNSS	GPS+Galileo+BeiDou
Operating Temperature	-20° to 50° C (-4° to 122° F)
O3 Enterprise	
Operating Frequency [1]	2.4000-2.4835 GHz, 5.725-5.850 GHz

 © 2022 DJI All Rights Reserved.

Max Transmission Distance (unobstructed, free of interference)	15 km (FCC); 8 km (CE/SRRC/MIC)
Max Transmission Distance (with interference)	Strong Interference (urban landscape, limited line of sight, many competing signals): 1.5-3 km (FCC/CE/SRRC/MIC) Medium Interference (suburban landscape, open line of sight, some competing signals): 3-9 km (FCC); 3-6 km (CE/SRRC/MIC) Weak Interference (open landscape abundant line of sight, few competing signals): 9-15 km (FCC); 6-8 km (CE/SRRC/MIC)
Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC); <20 dBm (CE/SRRC/MIC) 5.8 GHz: <33 dBm (FCC); <14 dBm (CE); <23 dBm (SRRC)
Wi-Fi	
Protocol	Wi-Fi 6
Operating Frequency[1]	2.4000-2.4835 GHz; 5.150-5.250 GHz; 5.725-5.850 GHz
Transmitter Power (EIRP)	2.4 GHz: <26 dBm (FCC); <20 dBm (CE/SRRC/MIC) 5.1 GHz: <26 dBm (FCC); <23 dBm (CE/SRRC/MIC) 5.8 GHz: <26 dBm (FCC/SRRC); <14 dBm (CE)
Bluetooth	
Protocol	Bluetooth 5.1
Operating Frequency	2.4000-2.4835 GHz
Transmitter Power (EIRP)	<10 dBm

Intelligent Battery Station

Model	CSX320-550
Dimensions	353×267×148 mm
Net Weight	3.95 kg
Compatible Battery Type	TB30 Intelligent Flight Battery WB37 Intelligent Battery
Input	100-240 VAC, 50/60 Hz
Output	TB30 Battery Port: 26.1 V, 8.9 A (supported up to two outputs simultaneously) WB37 Battery Port: 8.7 V, 6 A
Output Power	525 W
USB-C Port	Max. output power of 65 W
USB-A Port	Max. output power of 10 W (5 V, 2 A)
Power Consumption (when not charging battery)	< 8 W
Output Power (when warming up battery)	Approx. 30 W
Operating Temperature	-20° to 40° C (-4° to 104° F)

 © 2022 DJI All Rights Reserved.

Ingress Protection Rating	IP55 (with the cover closed properly)
Charging Time[6]	Approx. 30 min (charging two TB30 batteries from 20% to 90%) Approx. 50 min (charging two TB30 batteries from 0% to 100%)
Protection Features	Anti-Backflow Protection Short Circuit Protection Over Voltage Protection Over Current Protection Temperature Protection

[1] 5.8 and 5.1GHz frequencies are prohibited in some countries. In some countries, the 5.1GHz frequency is only allowed for use indoors.
[2] The maximum flight time and the hover time were tested in a lab environment and is for reference only.
[3] This protection rating is not permanent and may reduce over time after long-term use.
[4] The infrared temperature measurement accuracy was tested in a lab environment and is for reference only.
[5] The maximum operating time was tested in a lab environment and is for reference only.
[6] The charging time was tested in a lab environment at room temperature. The value provided should be used for reference only.

© 2022 DJI All Rights Reserved.