Especificaciones

Aeronave

Peso de despegue (con hélices)	Sin pilas: 5020±20 g Con pilas: 9740±40 g El peso real del producto puede variar debido a las diferencias en los materiales del lote y a factores externos.
Peso máximo de despegue	15,8 kilogramos
Dimensiones	Desplegado: 980 × 760 × 480 mm (L × An × Al) (con tren de aterrizaje). Plegado: 490 × 490 × 480 mm (L × An × Al) (con tren de aterrizaje y cardán) . Dimensiones máximas sin hélices. Dimensiones del maletín de transporte: 779 × 363 × 528 mm (L × An × Al)
Carga útil máxima	6 kg. La carga útil de 6 kg se mide en el tercer conector del estabilizador a nivel del mar. La capacidad de carga disminuye a medida que aume más detalles, consulte el manual de usuario oficial.
Tamaño de la hélice	25 pulgadas
Distancia entre ejes diagonal	1070 milímetros
Velocidad máxima de ascenso	10 m/s
Velocidad máxima de descenso	8 m/s
Velocidad horizontal máxima (a nivel del mar, sin viento)	25 m/s
Altitud máxima de despegue	7000 metros
Tiempo máximo de vuelo (sin viento)	59 minutos. Medido con la aeronave volando hacia adelante a una velocidad constante de 10 m/s en un entorno sin viento a nivel del mar, transporta H30T (peso total: 10 670 g), y desde el 100 % de batería hasta el 0 %. Los datos son solo de referencia. La experiencia real puede variar se uso y la versión del firmware.
Tiempo máximo de vuelo estacionario (sin viento)	53 minutes Measured with the aircraft hovering in a windless environment at sea level, carrying only the H30T (total weight 10,670 g), and from 100% 0%. Data is for reference only. Actual usage time may vary depending on the flight mode, accessories, and environment.
Max Flight Distance (no wind)	49 km Measured by the aircraft flying forward at a constant speed of 17 m/s in a windless environment at sea level, without external payloads, a battery level until 0%. Actual experience may vary depending on the environment, usage, and firmware version.
Max Wind Speed Resistance	12 m/s

	Max wind speed resistance during takeoff and landing.
Max Yaw Angular Velocity	Yaw: 100°/s
Max Pitch Angle	35°
Operating Temperature	-20° to 50° C (-4° to 122° F) (without solar radiation)
Global Navigation Satellite System (GNSS)	GPS + Galileo + BeiDou + GLONASS* * GLONASS is supported only when the RTK module is enabled.
	Equipped with standard airborne ADS-B In receiver and dual antennas, supporting reception up to 20 k
Hovering Accuracy Range (with moderate or no wind)	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with satellite positioning) ±0.1 m (with RTK positioning) Horizontal: ±0.3 m (with vision positioning) ±0.5 m (with satellite positioning) ±0.1 m (with RTK positioning)
RTK GNSS Accuracy	RTK Fix: 1 cm + 1 ppm (horizontal), 1.5 cm + 1 ppm (vertical)
RTK Heading	Supports RTK heading with an accuracy better than 2°
Airborne ADS-B In	Equipped with standard airborne ADS-B In receiver and dual antennas, supporting reception up to 20 k
Internal Storage	N/A
Ports	USB-C Debug Port × 1: USB 2.0 E-Port V2 × 4: At the lower part of the drone, with 120W single-port power Cellular Dongle 2 Interface × 2: On the underside of the drone
Propeller Model	2510F
Beacon	Built into the aircraft
Ingress Protection Rating	IP55 The rating is not permanently effective and may decrease due to product wear and tear.

Gimbal

Maximum Payload for Single Gimbal Connector	1400 g If exceeds, the gimbal damper lifespan will decrease from 1000 hours to 400 hours.
Maximum Payload for Dual Gimbal Connector	950 g
Maximum Payload for Third Gimbal Connector	3 kg for quick-release port, 6 kg for screw lock fastening

Sensing

Sensing Type	Omnidirectional binocular vision system (surround view provided by full-color fisheye vision sensors)

	Horizontal rotating LiDAR, upper LiDAR and downward 3D infrared range sensor Six-direction mmWave radar
Forward	Measurement Range: 0.4-21 m Detection Range: 0.4-200 m Field of View (FOV): 90° (horizontal), 90° (vertical)
Backward	Measurement Range: 0.4-21 m Detection Range: 0.4-200 m Field of View (FOV): 90° (horizontal), 90° (vertical)
Lateral	Measurement Range: 0.6-21 m Detection Range: 0.5-200 m Field of View (FOV): 90° (horizontal), 90° (vertical)
Downward	Measurement Range: 0.5-19 m The FOV to the front and rear is 160° and 105° to the right and left.
Operating Environment	Forward, Backward, Left, Right, and Upward: Delicate texture on the surface, adequate light. Downward: The ground has rich textures and sufficient lighting conditions*, with a diffuse reflection surface and a greater than 20% (such as walls, trees, people, etc.). * Sufficient lighting conditions refer to an illuminance not lower than that of a nighttime city light scene.
Rotating LiDAR	Standard Measurement Range: 0.5-100 m @ 100,000 lux with 10% reflectivity target Measurement Range for Power Line: 35 m @ 30° @ 10,000 lux for 21.6 mm steel-core aluminum strand relative body tilt angle of 30° to the left and right Field of View (FOV): 360° (horizontal), 58° (vertical) Point-Frequency: 520,000 points/second Laser Wavelength: 905 nm Eye Safety Level: Class 1 (IEC60825-1:2014), eye-safe
Upper LiDAR (3D ToF)	0.5-25 m at night (reflectivity > 10%) The FOV to the up and down is 60° and 60° to the right and left.
Downward 3D Infrared Range Sensor	Measurement Range: 0.3-8 m (reflectivity > 10%) The FOV to the front and rear is 60° and 60° to the right and left.
mmWave Radar	Measurement Range for Power Line: 36 m for a 12.5mm steel-core aluminum stranded wire 50 m for a 21.6mm steel-core aluminum stranded wire FOV: ± 45° (horizontal and vertical) The mmWave radar function is unavailable in some countries/regions.

FPV Camera

Resolution	1080p
Field of View (FOV)	DFOV: 150° HFOV: 139.6° VFOV: 95.3°
Frame Rate	30fps
Night Vision	Starlight Grade

Video Transmission

Video Transmission System	DJI O4 Enterprise Enhanced Video Transmission System
Live View Quality	Remote Controller: 3-channel 1080p/30fps
Operating Frequency and Transmitter Power (EIRP)	902-928 MHz: < 30 dBm (FCC), < 16 dBm (MIC) 1.430-1.444 GHz: < 35 dBm (SRRC) 2.4000-2.4835 GHz: < 33 dBm (FCC), < 20 dBm (CE/SRRC/MIC) 5.150-5.250 GHz: < 23 dBm (FCC/CE) 5.725-5.850 GHz: < 33 dBm (FCC), < 14 dBm (CE), < 30 dBm (SRRC) Operating frequency allowed varies among countries and regions. Refer to local laws and regulations for more information.
Max Transmission Distance (unobstructed, free of interference)	40 km (FCC) 20 km (CE/SRRC/MIC) Measured in an unobstructed environment free of interference. The above data shows the farthest communication range for one-way, nc under each standard. During your flight, please pay attention to RTH reminder on the DJI Pilot 2 app.
Max Transmission Distance (with interference)	Strong interference (dense buildings, residential areas, etc.): approx. 1.5-6 km Medium interference (suburban counties, city parks, etc.): approx. 6-15 km Weak interference (open spaces, remote areas, etc.): approx. 15-40 km Data is tested under FCC standard in unobstructed environments of typical interference. Only to serve as a reference and provides no gu actual flight distance.
Max Download Speed	Standard Mode: 80Mbps Downlink Playback Download: < 25 MBps Single-Channel Bitrate: ≤ 12 Mbps The above data was measured under conditions where the aircraft and remote controller were in close proximity without interference.
Antenna	WLAN Antenna × 8: 6 vertically polarized antennas and 2 horizontally polarized antennas sub2G Antenna × 2: 2 vertically polarized antennas 4G Antenna × 4 Operating Mode: 2T4R
Others	Supports Dual Control Mode and 2-channel Cellular Dongle 2

Battery

Model	TB100
Capacity	20254 mAh
Standard Voltage	48.23 V
Max Charging Voltage	54.6 V
Cell Type	Li-ion 13S
Energy	977 Wh
Weight	4720 ± 20 g
Charging Temperature	5° to 45° C (41° to 113° F)
Discharging Temperature	-20° to 75° C (-4° to 122° F)
Battery Heating	Single Battery: Support Onboard: Support Battery Station: Support

Discharge Rate	4C
Max Charging Power	2C
Low-Temperature Charging	Supports low-temperature self-heating charging
Cycle Count	400

Intelligent Battery Station

Model	BS100
Net Weight	11.8 kg
Dimensions	605×410×250 mm (L×W×H)
Supported Batteries	TB100 Intelligent Flight Battery, TB100C Tethered Battery WB37 Battery
Operating Temperature	-20° to 40° C (-4° to 104° F)
Input	100-240 V (AC), 50-60 Hz, 10 A
Output	USB-C： TB100 Battery Interface: 100-110 V: Approx. 1185 W 110-180 V: Approx.1474 W 180-240 V: Approx. 2184 W WB37 Battery Interface: 100-240 V: Approx. 52 W USB-C: 5.0 V 3.0 A, 9.0 V 3.0 A, 12.0 V 3.0 A, 15.0 V 3.0 A, 20.0 V 3.25 A
Number of Charging Channels	Three TB100 and two WB37 batteries
Charging Mode	Ready-to-Fly Mode 90%; Standard Mode 100% Supports Fast Charging Mode and Silent Mode
Charging Time	TB100/TB100C Battery From 0% to 100%: 220 V: 45 minutes (Fast Charging Mode); 110 minutes (Silent Mode) 110 V: 70 minutes (Fast Charging Mode); 110 minutes (Silent Mode) Charging time is measured in a test environment with a temperature of 25° C.

DJI RC Plus 2 Enterprise Enhanced

Video Transmission System	DJI O4 Enterprise Enhanced Video Transmission System
Max Transmission Distance (unobstructed, free of interference)	40 km (FCC) 20 km (CE/SRRC/MIC) Measured in an unobstructed environment free of interference. The above data shows the farthest communication rang e-way, nc under each standard. During your flight, please pay attention to RTH reminder on the DJI Pilot 2 app.
Video Transmission Operating Frequency and Transmitter Power (EIRP)	902-928 MHz: < 30 dBm (FCC), < 16 dBm (MIC) 2.400-2.4835 GHz: < 33 dBm (FCC), < 20 dBm (CE/SRRC/MIC) 5.150-5.250 GHz: < 23 dBm (FCC/CE) 5.725-5.850 GHz: < 33 dBm (FCC), < 14 dBm (CE), < 30 dBm (SRRC)

	Operating frequency allowed varies among countries and regions. Refer to local laws and regulations for more information.
Antenna	2T4R, 2.4GHz/5.8GHz multi-beam high-gain antenna sub2G Module: 2T2R
Enhanced Transmission	Supports DJI Cellular Dongle 2
Wi-Fi Protocol	Wi-Fi Direct, Wireless Display, IEEE 802.11 a/b/n/ac/ax Supports 2×2 MIMO Wi-Fi, dual-band simultaneous (DBS) support for dual MAC, with data rates up to 1 (2×2 + 2×2 11ax dual-band simultaneous)
Wi-Fi Operating Frequency	2.4000-2.4835 GHz 5.150-5.250 GHz 5.725-5.850 GHz 5.2 and 5.8GHz frequencies are prohibited in some countries. In some countries, the 5.2GHz frequency is only allowed for use in indoor.
Wi-Fi Transmitter Power (EIRP)	2.4 GHz: < 26 dBm, < 20 dBm (CE/SRRC/MIC) 5.1 GHz: < 23 dBm (FCC/CE/SRRC/MIC) 5.8 GHz: < 23 dBm (FCC/SRRC), < 14 dBm (CE)
Bluetooth Protocol	Bluetooth 5.2
Bluetooth Operating Frequency	2.400-2.4835 GHz
Bluetooth Transmitter Power (EIRP)	< 10 dBm
Screen Resolution	1920 × 1200
Screen Size	7.02 inches
Screen Frame Rate	60fps
Brightness	1400 nits
Touchscreen Control	10-Point Multi-Touch
Built-in Battery	2S2P High Energy Density 18650 Lithium-ion Battery (6500 mAh @ 7.2 V) 46.8 Wh
External Battery	Optional, WB37 (4920 mAh @ 7.6 V) 37 Wh
Charging Type	Supports PD fast charging, with a maximum 20V/3.25A USB Type-C charger
Storage Capacity	RAM 8G + ROM 128G UFS + expandable storage via microSD card
Charging Time	2 hours for internal battery; 2 hours for internal plus external batteries. When remote controller is powered off and using a standard DJI charger.
Internal Battery Runtime	3.8 hours
External Battery Runtime	3.2 hours
Output Port	HDMI 1.4
Indicators	Status LED, battery level LED, connection status LED, tricolor light, brightness adjustable ac ng to a
Speaker	Supports buzzer
Audio	Array MIC
Operating Temperature	-20° to 50° C (-4° to 122° F)

Storage Temperature	Within one month: -30° to 45° C (-22° to 140° F) One to three months: -30° to 35° C (-22° to 113° F) Three months to one year: -30° to 30° C (-22° to 86° F)
Charging Temperature	5° a 40° C (41° a 104° F)
Modelo de aeronave compatible	Matriz 400
Sistema global de navegación por satélite	GPS + Galileo + BeiDou
Dimensiones	268 × 163 × 94,5 mm (largo × ancho × alto) Ancho incluida la antena externa plegada, grosor incluido el mango y los controles.
Peso	1,15 kg (sin batería externa)
Modelo	TKPL 2
Versión del sistema	Android 11
Interfaces externas	HDMI 1.4, SD 3.0, USB-C con soporte OTG, carga PD máxima de 65 W, USB-A con soporte USB 2.0
Accesorios	Soporte de correa/cintura

Productos compatibles

Productos DJI compatibles con Matrice 400	Cámaras con estabilizador: Zenmuse H30, Zenmuse H30T, Zenmuse L2 y Zenmuse P1 Accesorios: Zenmuse S1 (foco para dron), Zenmuse V1 (altavoz para dron), Manifold 3, módulo SDR sub Plus 2, DJI Cellular Dongle 2 Estación RTK: estación multifuncional D-RTK 3, estación móvil D-RTK 2 Accesorios del ecosistema: DJI X-Port Kit de desarrollo DJI E-Port V2 Kit de cable coaxial DJI E-Port V2 Juego de adaptadores DJI SKYPORT V3 Kit de cable coaxial DJI SKYPORT V3