Specs

Dock - General

Product Name	DJI Dock 3
Total Weight	55 kg (without aircraft) The actual product weight may vary due to differences in batch materials and external factors.
Dimensions	Dock Cover Opened: 1760×745×485 mm (L×W×H) Dock Cover Closed: 640×745×770 mm (L×W×H) All data includes the RTK module width (160 mm), wind speed gauge height (145 mm), and mounting base brackets (58 mm).
Input Voltage	100-240 V (AC), 50/60 Hz
Input Power	Max 800 W
Operating Temperature	-30° to 50° C (-22° to 122° F)
Ingress Protection Rating	IP56
Number of Drones Accommodated	1
Max Allowable Landing Wind Speed	12 m/s
Max Operating Altitude	4500 m
Receiving Frequency of RTK Base Station Satellite	Simultaneously receive: GPS: L1 C/A, L2, L5 BeiDou: B1I, B2I, B3I, B2a, B2b, B1C GLONASS: F1, F2 Galileo: E1, E5a, E5b, E6 QZSS: L1, L2, L5
Positioning Accuracy of RTK Base Station	Horizontal: 1 cm + 1 ppm (RMS) Vertical: 2 cm + 1 ppm (RMS)

Dock - Charging Performance

Output Voltage	35 V DC
Charging Time	27 minutes The data was measured when charging the aircraft (when powered off) from 15% to 95% in a 25° C (77° F) environment.

Dock - Video Transmission

Operating Frequency	2.400-2.4835 GHz 5.150-5.250 GHz (CE: 5.170-5.250 GHz) 5.725-5.850 GHz The supported operating frequency bands and their corresponding availability vary by country/region. For details, please refer to local lav
Antenna	Built-in 9 antennas, 2T4R, supports intelligent switching
Transmitter Power (EIRP)	2.4 GHz: < 33 dBm (FCC), < 20 dBm (CE/SRRC/MIC) 5.2 GHz (CE: 5.170-5.250 GHz): < 23 dBm (FCC/CE) 5.8 GHz: < 33 dBm (FCC); < 14 dBm (CE); < 30 dBm (SRRC)

Dock - Air Conditioning System

Operating Voltage	48 V DC
Air Conditioning Type	Compressor-based air conditioning

Dock - Backup Battery

Battery Capacity	12 Ah
Output Voltage	12 V
Battery Type	Lead-acid battery
Battery Life	> 4 hours Measured with a fully charged backup battery in a 25° C (77° F) environment. After a power outage, the dock does not support functions l charging, air conditioning operation, dock cover heating, and wind speed gauge heating. Please restore power promptly.

Dock- Network Access

Ethernet Access	10/100/1000Mbps adaptive Ethernet port
4G Access	Requires DJI Cellular Dongle 2 Sold separately. This service is not available in some countries and regions. Please consult your local dealer for details.

Dock - Sensor

Wind Speed Sensor	Supported
Rainfall Sensor	Supported
Ambient Temperature Sensor	Supported
Water Immersion Sensor	Supported
In-Cabin Temperature Sensor	Supported
In-Cabin Humidity Sensor	Supported

Dock - Security Camera (External)

Resolution	1920×1080
Field of View (FOV)	151°
Auxiliary Light	Auxiliary White Light

Dock - Security Camera (Internal)

Resolution	1920×1080
FOV	151°
Auxiliary Light	Auxiliary White Light

Dock- Lightning Protection

AC Power Port	20 kA (rated value), meets EN 61643-11 Type 2 and IEC 61643-1 Class Ⅱ protection level requirements
Ethernet Port	10 kA (I_{total})，meets EN/IEC 61643-21 Category C protection level requirements

Dock - Supported Software

Applications	DJI Enterprise app (used with Android phones for deployment and commissioning)
Cloud Platform	FlightHub 2 FlightHub 2 On-Premises Version FlightHub 2 FlightHub Sync DJI Cloud API

Dock - Expansion Capability

Edge Computing	Supports data communication with external switches

Aircraft - General

Weight	1850 g This value includes the weight of the battery, propellers, and a microSD card, but does not include third-party payloads. The actual weight differences in batch materials and external factors.
Max Takeoff Weight	2090 g
Dimensions	377.7×416.2×212.5 mm (L×W×H, without propellers)
Wheelbase	Diagonal Wheelbase: 498.5 mm Front Motor Left-Right Wheelbase: 383.0 mm Rear Motor Left-Right Wheelbase: 343.0 mm Front-Rear Wheelbase: 341.6 mm
Max Ascent Speed	6 m/s (Normal Mode) 10 m/s (Sport mode)
Max Descent Speed	6 m/s (Normal Mode) 8 m/s (Sport mode)

Max Horizontal Speed (at sea level, no wind)	Normal Mode, With Obstacle Sensing Enabled: 15 m/s flying forward, 12 m/s flying backward, 10 m/s fly Sport Mode: 21 m/s flying forward, 19 m/s flying backward, 15 m/s flying sideways When used with DJI Dock, only Normal mode is supported.
Max Wind Speed Resistance	During Operation: 12 m/s During Takeoff/Landing: 12 m/s
Max Takeoff Altitude	6500 m
Max Flight Time	54 minutes Measured in a controlled test environment. Specific test conditions are as follows: flying forward at a constant speed of 12 m/s in a windle environment at 20 meters above sea level, in photo mode (without photo-taking operation during flight), with Obstacle Avoidance Action from 100% battery level until 0%. Results may vary depending on the environment, actual use, and firmware version.
Max Hovering Time	47 minutes Measured with the DJI Matrice 4D Series drones hovering in a windless environment at 20 meters above sea level and from 100% battery Results may vary depending on the environment, actual use, and firmware version.
Max Operating Radius	10 km Measured in an environment of approximately 25° C (77° F) with a safe battery level of 15%, windless environment, round-trip flight speed 15 m/s, and hovering operation of 18 minutes. Results may vary depending on the environment, actual use, and firmware version.
Max Flight Distance	43 km Measured with Matrice 4D/4TD flying at a constant speed of 16 m/s in a windless environment at 20 meters above sea level and from 100 until 0%. Results may vary depending on the environment, actual use, and firmware version.
Max Pitch Angle	25° (Normal Mode) 30° (Sport Mode)
Max Angular Velocity	200°/s
Global Navigation Satellite System	GPS + BeiDou + Galileo + QZSS + GLONASS (QZSS and GLONASS are supported only when the RTK mod enabled.)
Hovering Accuracy Range (windless or breezy)	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) ±0.1 m (with RTK positioning) Horizontal: ±0.3 m (with vision positioning) ±0.5 m (with GNSS positioning) ±0.1 m (with RTK positioning)
Operating Temperature	-20° to 50° C (-4° to 122° F)
Ingress Protection Rating	IP55
Motor Model	2611
Propeller Model	1364F foldable low-noise anti-ice propellers
RTK Module	Integrated on the aircraft
Beacon	Integrated on the aircraft

Aircraft - Cameras

Image Sensor	DJI Matrice 4D: Wide-Angle Camera: 4/3 CMOS, Effective Pixels: 20 MP Medium Tele Camera: 1/1.3-inch CMOS, Effective Pixels: 48 MP Tele Camera: 1/1.5-inch CMOS, Effective Pixels: 48 MP DJI Matrice 4TD: Wide-Angle Camera: 1/1.3-inch CMOS, Effective Pixels: 48 MP Medium Tele Camera: 1/1.3-inch CMOS, Effective Pixels: 48 MP Tele Camera: 1/1.5-inch CMOS, Effective Pixels: 48 MP
Lens	Wide-Angle Camera DJI Matrice 4D FOV: 84° Format Equivalent: 24 mm Aperture: f/2.8-f/11 Focus: 1 m to ∞ DJI Matrice 4TD FOV: 82° Format Equivalent: 24 mm Aperture: f/1.7 Focus: 1 m to ∞ Medium Tele Camera FOV: 35° Format Equivalent: 70 mm Aperture: f/2.8 Focus: 3 m to ∞ Tele Camera FOV: 15° Format Equivalent: 168 mm Aperture: f/2.8 Focus: 3 m to ∞
Lens Defogging	DJI Matrice 4D and DJI Matrice 4TD: Wide-angle, medium tele, and tele cameras all support lens defoggi
ISO Range	Normal Mode: ISO 100-25600 Night Scene Mode: Matrice 4D Wide-Angle Camera: ISO 100-204800 Medium Tele Camera: ISO 100-409600 Tele camera: ISO 100-409600 Matrice 4TD Wide-Angle Camera: ISO 100-409600 Medium Tele Camera: ISO 100-409600 Tele Camera: ISO 100-819200
Shutter Speed	DJI Matrice 4D Wide-Angle Camera: Electronic Shutter: 2-1/8000 s Mechanical Shutter: 2-1/2000 s Medium Tele Camera: 2-1/8000 s Tele Camera: 2-1/8000 s DJI Matrice 4TD 2-1/8000 s
Max Image Size	DJI Matrice 4D Wide-Angle Camera: 5280×3956 Medium Tele Camera: 8064×6048 Tele Camera: 8192×6144

	DJI Matrice 4TD Wide-Angle Camera: 8064×6048 Medium Tele Camera: 8064×6048 Tele Camera: 8192×6144
Minimum Photo Interval	DJI Matrice 4D: 0.5 s DJI Matrice 4TD: 0.7 s
Still Photography Modes	DJI Matrice 4D Wide-Angle Camera: Single: 20 MP Timed: 20 MP JPEG: 0.5/0.7/1/2/3/5/7/10/15/20/30/60 s JPEG + RAW: 2/3/5/7/10/15/20/30/60 s Smart Capture: 20 MP Panorama: 20 MP (raw image); 100 MP (stitched image) Medium Tele Camera: Single: 12 MP/48 MP Timed: 12 MP/48 MP JPEG: 0.5/0.7/1/2/3/5/7/10/15/20/30/60 s Smart Capture: 12 MP Tele Camera: Single: 12 MP/48 MP Timed: 12 MP/48 MP JPEG: 0.5/0.7/1/2/3/5/7/10/15/20/30/60 s Smart Capture: 12 MP DJI Matrice 4TD Wide-Angle Camera: Single: 12 MP/48 MP Timed: 12 MP/48 MP JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s Smart Capture: 12 MP Panorama: 12 MP (raw image); 100 MP (stitched image) Medium Tele Camera: Single: 12 MP/48 MP Timed: 12 MP/48 MP JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s Smart Capture: 12 MP Tele Camera: Single: 12 MP/48 MP Timed: 12 MP/48 MP JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s Smart Capture:12MP
Video Codec and Resolution	DJI Matrice 4D and DJI Matrice 4TD Video Codec: H.264, H.265 Encoding Strategy: CBR, VBR Resolution: 4K: 3840×2160@30fps FHD: 1920×1080@30fps
Video Bitrate	DJI Matrice 4D and DJI Matrice 4TD H264: 60 Mbps H265: 40 Mbps
Supported File System	exFAT

Photo Format	DJI Matrice 4D: Wide-Angle Camera: JPEG/DNG (RAW) Medium Tele Camera: JPEG Tele Camera: JPEG DJI Matrice 4TD: JPEG
Video Format	DJI Matrice 4D and DJI Matrice 4TD:MP4 (MPEG-4 AVC/H.264)
Digital Zoom	Tele Camera: 16x (112x hybrid zoom)

Aircraft - NIR Auxiliary Light

Infrared Illumination	DJI Matrice 4TD: FOV: 5.7°±0.3°

Aircraft - Laser Module

Laser Rangefinding	Normal Incidence Range: 1800 m (1 Hz) @20% reflectivity target* Oblique Incidence Range (1:5 Oblique Distance): 600 m (1 Hz) Blind Zone: 1 m Distance Measurement Accuracy: 1 m to 3 m: System Error <0.3 m, Random Error <0.1 m @1σ Other Distances: ±(0.2+0.0015D) (Distance in meters) * Performance degradation may occur in rainy or foggy conditions.

Aircraft - Infrared Thermal Camera (DJI Matrice 4TD)

Thermal Imager	Uncooled VOx Microbolometer DO NOT expose the infrared camera lenses to strong sources of energy such as the sun, lava, or a laser beam. Otherwise, the camera ser burned, leading to permanent damage.
Resolution	640×512
Pixel Pitch	12 μm
Frame Rate	30 Hz
Lens	DFOV: 45° Format Equivalent: 53 mm Aperture: f/1.0 Focus: 5 m to ∞
Sensitivity	≤ 50 mk@F1.0
Temperature Measurement Method	Spot Measurement, Area Measurement
Temperature Measurement Range	-40° to 150° C (-40° to 320° F, High Gain Mode) 0° to 500° C (32° to 932° F, Low Gain Mode)
Palette	White Hot/Black Hot/Tint/Iron Red/Hot Iron/Arctic/Medical/Fulgurite/Rainbow 1/Rainbow 2
Photo Format	JPEG (8-bit) R-JPEG (16-bit)

Video Resolution	1280×1024@30fps (UHR Infrared Image function enabled, Night Scene mode not enabled) Other conditions: 640×512@30fps
Video Bitrate	6.5Mbps (H.264 640×512@30fps) 5Mbps (H.265 640×512@30fps) 12Mbps (H.264 1280×1024@30fps) 8Mbps (H.265 1280×1024@30fps)
Video Format	MP4
Still Photography Modes	Single Normal Mode: 640×512 UHR Infrared Image Mode: 1280×1024 Timed Normal Mode: 640×512, 0.7/1/2/3/5/7/10/15/20/30/60 s UHR Infrared Image Mode: 1280×1024, 0.7/1/2/3/5/7/10/15/20/30/60 s
Digital Zoom	28x
Infrared Wavelength	8-14 μm
Infrared Temperature Measurement Accuracy	High Gain: ±2℃ or ±2%, whichever is greater Low Gain: ±5℃ or ±3%, whichever is greater

Aircraft - Gimbal

Stabilization	3-axis mechanical gimbal (tilt, roll, pan)
Mechanical Range	DJI Matrice 4D: Tilt: -140° to +50° Roll: -52° to +52° Pan: -65° to +65° DJI Matrice 4TD: Tilt: -140° to +113° Roll: -52° to +52° Pan: -65° to +65°
Controllable Range	DJI Matrice 4D Tilt: -90° to +35° Pan: Not controllable DJI Matrice 4TD Tilt: -90° to +90°* Pan: Not controllable * When the DJI Matrice 4TD gimbal tilts upwards at angles between +70° and +90°, the wide-angle camera, medium tele camera, and infra camera will be obstructed by the aircraft body.
Max Control Speed (tilt)	100°/s
Angular Vibration Range	±0.005°

Aircraft - Sensing

Sensing Type	Omnidirectional binocular vision system, supplemented with a 3D infrared sensor at the bottom of the
Forward	Measurement Range: 0.5 m to 20 m Detection Range: 0.5 m to 200 m

	Effective Sensing Speed: Flight Speed ≤ 15 m/s FOV: Horizontal 95°, Vertical 90°
Backward	Measurement Range: 0.5 m to 20 m Effective Sensing Speed: Flight Speed ≤ 12 m/s FOV: Horizontal 95°, Vertical 90°
Lateral	Measurement Range: 0.5 m to 16 m Effective Sensing Speed: Flight Speed ≤10 m/s FOV: Horizontal 90°, Vertical 90°
Upward	Measurement Range: 0.5 m to 20 m Effective Sensing Speed: Flight Speed ≤6 m/s FOV:Front and Back 95°, Left and Right 90°
Downward	Measurement Range: 0.5 m to 16 m Effective Sensing Speed: Flight Speed ≤6 m/s FOV: Front and Back 90°, Left and Right 95°
Operating Environment	Forward, Backward, Upward and Downward: Surfaces with discernible patterns and adequate lighting (Left and Right: Diffuse reflective surface with diffuse reflectivity > 20% (e.g. walls, trees, people) and ade lighting (lux > 6)

Aircraft - Video Transmission

Video Transmission System	DJI O4+ Enterprise
Live View Quality	720p/30fps, 1080p/30fps (with DJI RC Plus 2 Enterprise) 540p/30fps, 720p/30fps, 1080p/30fps (with DJI Dock 3 and DJI FlightHub 2)
Operating Frequency	2.400-2.4835 GHz 5.150-5.250 GHz (CE: 5.170-5.250 GHz) 5.725-5.850 GHz The supported operating frequency bands and their corresponding availability vary by country/region. For details, please refer to local lav
Max Transmission Distance (unobstructed, free of interference)	FCC: 25 km CE: 12 km SRRC: 12 km MIC: 12 km Measured in an unobstructed outdoor environment free of interference. The above data shows the farthest communication range for on flights under each standard. Always pay attention to RTH reminders in DJI FlightHub 2 or DJI Pilot 2 app during your flight.
Max Transmission Distance (unobstructed, with interference)	Strong interference (dense buildings, residential areas, etc.): 1.5-5 km Medium interference (suburban counties, city parks, etc.): 5-15 km Weak interference (open spaces, remote areas, etc.): 15-25 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. In obstructed environments, it is recommended to install the D-RTK 3 Relay Fixed Deployment Version.
Max Download Speed	20 MB/s (with DJI Dock 3) 20 MB/s (with DJI RC Plus 2 Enterprise) Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz. Download spe depending on the actual conditions.
Lowest Latency	The video transmission latency from the aircraft to the dock is approximately 100 milliseconds (affected environmental conditions). The video transmission latency from the dock to DJI FlightHub 2 is affected by the actual network condi computer's configuration.
Antenna	8 antennas, 2T4R

Transmitter Power (EIRP)	2.4 GHz: < 33 dBm (FCC), < 20 dBm (CE/SRRC/MIC) 5.1 GHz (CE: 5.170-5.250 GHz): < 23 dBm (FCC/CE) 5.8 GHz: < 33 dBm (FCC/SRRC), < 14 dBm (CE)
Others	Supports DJI Cellular Dongle 2 Sold separately. This service is not available in some countries and regions. Please consult your local dealer for details.

Aircraft - Storage

Supported Memory Cards	Aircraft: U3/Class10/V30 or above is supported. A list of recommended microSD cards can be found below.
Recommended microSD Cards	Lexar 1066x 64GB U3 A2 V30 microSDXC Lexar 1066x 128GB U3 A2 V30 microSDXC Lexar 1066x 256GB U3 A2 V30 microSDXC Lexar 1066x 512GB U3 A2 V30 microSDXC Kingston Canvas Go! Plus 64GB U3 A2 V30 microSDXC Kingston Canvas Go! Plus 128GB U3 A2 V30 microSDXC Kingston Canvas Go! Plus 256GB U3 A2 V30 microSDXC Kingston Canvas Go! Plus 512GB U3 A2 V30 microSDXC

Aircraft - Battery

Capacity	6768 mAh
Voltage	22.14 V
Max Charging Voltage	25.5 V
Cell Type	Li-ion 6S
Chemical System	LiNiMnCoO2
Energy	149.9 Wh
Weight	640 g
Cycle Count	400
Charging Temperature	5° to 45° C (41° to 113° F)
Discharge Rate	4C
Max Charging Power	1.8C
Low-Temperature Charging	Supports low-temperature self-heating charging

Aircraft - Power Adapter

Input	100-240 V (AC), 50/60 Hz, 3 A
Output Power	240 W
Output	Total: 240W max output power; USB-C Port: 65W max output power When charging with two ports simultaneously, the USB-C port's max output power is 45 W.

Charging Hub

Input	SDC: 16.8 V to 25.5 V, 12.1 A
Rated Power	240 W
Charging Type	3 batteries charging in sequence Support Standard Mode (100% SOC) and Ready-to-Fly Mode (90% SOC)
Compatible Battery	DJI Matrice 4D Series Battery
Charging Temperature	5° to 40° C (41° to 104° F)

DJI RC Plus 2 Enterprise

Max Transmission Distance (unobstructed, free of interference)	FCC: 25 km CE: 12 km SRRC: 12 km MIC: 12 km 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.
Video Transmission Operating Frequency	2.4000-2.4835 GHz 5.725-5.850 GHz (Not supported in Japan) 5.2 GHz (receive only) Operating frequency allowed varies among countries and regions. Please refer to local laws and regulations for more information.
Antenna	2T4R, built-in multi-beam high-gain antenna
Video Transmission Transmitter Power (EIRP)	2.4 GHz: < 33 dBm (FCC), < 20 dBm (CE/SRRC/MIC) 5.2 GHz: < 23 dBm (CE) 5.8 GHz: < 33 dBm (FCC), < 14 dBm (CE), < 30 dBm (SRRC)
4G Transmission	DJI Cellular Dongle 2 Sold separately. This service is not available in some countries and regions. Please consult your local dealer for details.
Wi-Fi Protocol	Wi-Fi Direct, Wireless Display, IEEE 802.11a/b/g/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 (FCC), < 20 dBm (CE/SRRC/MIC) 5.2 GHz: < 26 dBm (FCC), < 23 dBm (CE/SRRC/MIC) 5.8 GHz: < 26 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	60 fps
Brightness	1400 nit
Touchscreen Control	10 Points Multi-touch
Built-in Battery	2S2P High Energy Density 18650 Lithium-ion Battery (6500 mAh @ 7.2 V) 46.8Wh
External Battery	Optional, WB37 (4920 mAh @ 7.6 V) 37Wh
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 according 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°F to 113°F) One to three months: -30° to 35° C (-22°F to 95°F) Three months to one year: -30° to 30° C (-22°F to 86°F)
Charging Temperature	5° to 40° C (41° to 104° F)
Supported Aircraft Models	Supports Matrice 4TD/4D, Matrice 4T/4E
Global Navigation Satellite System	GPS, Galileo, BeiDou.
Dimensions	268×163×94.5 mm (L×W×H) Width including external antenna folded, thickness including handle and controller sticks.
Weight	1.15 kg (without external battery)
Model	TKPL 2
System Version	Android 11
External Interfaces	HDMI 1.4, SD 3.0, Type-C with OTG support, max 65W PD charging, USB-A with USB 2.0 support
Accessory	Optional strap/waist support

AL1 Spotlight

Weight	99 g (including bracket) 91 g (excluding bracket)

No mounting bracket is required when installing on Matrice 4D Series aircraft.

Dimensions	95×164×30 mm (L×W×H, including bracket) 79×164×28 mm (L×W×H, excluding bracket)
Max Power	32 W
Illuminance	4.3±0.2 lux @ 100 meters, 17±0.2 lux @ 50 meters The data was measured in a laboratory environment with the spotlight installed separately on the aircraft at an ambient temperature of 2
Effective Illumination Angle	23° (10% relative illumination)
Effective Illumination Area	1,300 square meters @ 100 meters (10% relative illumination, Normal mode) 2,200 square meters @ 100 meters (10% relative illumination, Wide FOV mode)
Operating Mode	Supports always-on and strobe modes.
Gimbal Mechanical Range	Tilt: -140° to +50°
Gimbal Controllable Range	Tilt: -90° to +35°
Gimbal Max Control Speed (tilt)	120° /s
Gimbal Alignment Accuracy	±0.1°
Operating Temperature	-20° to 50° C (-4° to 122° F)
Ingress Protection Rating	IP55
Mounting	Quick-release hand-tightened screw When installing onto the aircraft, tighten the screws and ensure proper sealing of the interface. When using with DJI Dock, please use the wrench to tighten the screws again.
Supported Aircraft Models	Supports Matrice 4TD/4D, Matrice 4T/4E

AS1 Speaker

Weight	92.5 g (including bracket) 90 g (excluding bracket) No mounting bracket is required when installing on Matrice 4D Series aircraft.
Dimensions	73×70×52 mm (L×W×H, including bracket) 73×70×47 mm (L×W×H, excluding bracket)
Max Power	15 W
Max Volume	At 1 meter, it can reach 114 decibels (114dB@1m). Data measured in a laboratory environment at 25° C (77° F). Actual conditions may vary slightly due to software version, audio source, sp and other factors. The final effect is subject to actual use.
Effective Broadcast Distance	300 m Data measured in a laboratory environment at 25° C (77° F). Actual conditions may vary slightly due to software version, audio source, sp and other factors. The final effect is subject to actual use.
Broadcast Mode	Real-time broadcasting, record & broadcast, file input (supports simultaneous transfer and playback), t speech*

* Currently supports only English and Mandarin Chinese.

Operating Temperature	-20° to 50° C (-4° to 122° F)
Ingress Protection Rating	IP55
Mounting	Quick-release hand-tightened screw When installing onto the aircraft, tighten the screws and ensure proper sealing of the interface. When using with DJI Dock, please use the wrench to tighten the screws again.
Supported Aircraft Models	Supports Matrice 4TD/4D, Matrice 4T/4E

Matrice 4 Obstacle Sensing Module

Weight	235 g
Dimensions	103.3×64×85.8 mm (L×W×H)
Ingress Protection Rating	IP55
Operating Temperature	-20° to 50° C (-4° to 122° F)
Sensing Type	Combination of rotating LiDAR and millimeter-wave radar
FOV	Rotating LiDAR: Vertical 58°, Horizontal 360° Millimeter-wave Radar: Vertical 90°, Horizontal 90°
Measurement Range	100m max detection distance
Effective Sensing Speed	Flight Speed ≤15 m/s (obstacle type: 12mm steel-core aluminum stranded wire) 1. The obstacle avoidance and bypassing capabilities may vary due to different environments (clouds, fog, rain, snow), and the material, p of the target object. 2. Due to the performance limitations of the safety system, the aircraft cannot actively avoid fast-moving objects. Please stay cautious wh environments.

Vehicle-Mounted Gimbal Mount

Weight	Right Bracket and Gimbal Support: 440 g Left Bracket: 155 g
Dimensions	Right bracket and gimbal support: 112.8×152.2×157.8 mm (L×W×H) Left Bracket: 126.3×172.9×70.3 mm (L×W×H)
Power Supply Voltage	14 V
Ingress Protection Rating	IP55
Operating Temperature	-30° to 50° C (-22° to 122° F)

Footnotes