

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

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 laws and regulations.
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)

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 like aircraft 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

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
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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 may vary due to 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 flying sideways 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 windless laboratory environment at 20 meters above sea level, in photo mode (without photo-taking operation during flight), with Obstacle Avoidance Action set to Off, and 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 level until 0%. 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 of approximately 15 m/s, and hovering operation of 18 minutes. Results may vary depending on the environment, actual use, and firmware version.

Measured with Matrice 4U/4TD flying at a constant speed of 16 m/s in a windless environment at 20 meters above sea level and from 100% battery level 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 module is 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 ∞

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

Smart Capture System	
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°
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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.
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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 sensor may be 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 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°C or ±2%, whichever is greater Low Gain: ±5°C 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 infrared thermal 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 aircraft.
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	Effective Sensing Speed: Flight Speed $\leq$ 15 m/s FOV: Horizontal 95°, Vertical 90°
Backward	Measurement Range: 0.5 m to 20 m Effective Sensing Speed: Flight Speed $\leq$ 12 m/s FOV: Horizontal 95°, Vertical 90°
Lateral	Measurement Range: 0.5 m to 16 m Effective Sensing Speed: Flight Speed $\leq$ 10 m/s FOV: Horizontal 90°, Vertical 90°
Upward	Measurement Range: 0.5 m to 20 m Effective Sensing Speed: Flight Speed $\leq$ 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 $\leq$ 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 (lux > 0.1) Left and Right: Diffuse reflective surface with diffuse reflectivity > 20% (e.g. walls, trees, people) and adequate 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 laws and regulations.
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 one-way, non-return 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 guarantee as to the 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 speeds may vary depending on the actual conditions.
Lowest Latency	The video transmission latency from the aircraft to the dock is approximately 100 milliseconds (affected by the actual environmental conditions). The video transmission latency from the dock to DJI FlightHub 2 is affected by the actual network conditions and the 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)

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

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, non-return flights 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 1774.5 Mbps
(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

252P 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.

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 ambient light
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 25°C (77° F).
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)

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 included hex 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, specific environment, 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, specific environment, 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), text-to-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 included hex 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, position, and shape of the target object.

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

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



Product Categories	Where to Buy	Fly Safe	Explore	Community
Consumer	DJI Online Store	Fly Safe	Newsroom	SkyPixel
Professional	Flagship Stores	DJI Flying Tips	Buying Guides	DJI Forum
Enterprise	DJI-Operated Stores	Support	STEAM Education	Developer
Components	Retail Stores	Product Support	Mini Drones	Subscribe
Service Plan	Enterprise Retailers	Repair Services	DJI Camera Drones	Get the latest news from DJI
DJI Care	Agricultural Drone Dealer	Help Center	DJI Affiliate Program	Your email address
DJI Care Refresh	Pro Retailers	After-Sales Service Policies		
	DJI Store App	Download Center		
	Cooperation	Security and Privacy		
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