

DJI Matrice 4T Specifications

[DJI Matrice 4T](#)

item_title	spec_key	spec_value
Aircraft	Takeoff Weight (with propellers)	1219 g* ^{* The standard weight of the aircraft (including the battery, propellers, and a microSD card). The actual product weight may vary due to differences in batch materials and external factors.}
Aircraft	Takeoff Weight (with Low-Noise propellers)	1229 g* ^{* The standard weight of the aircraft (including the battery, propellers, and a microSD card). The actual product weight may vary due to differences in batch materials and external factors.}
Aircraft	Max Takeoff Weight	Standard Propellers: 1420 g Low-Noise Propellers: 1430 g
Aircraft	Dimensions	Folded: 260.6×113.7×138.4 mm (L×W×H) Unfolded: 307.0×387.5×149.5 mm (L×W×H) ^{Maximum dimensions excluding propellers.}
Aircraft	Max Payload	200 g
Aircraft	Propeller Size	10.8 in
Aircraft	Diagonal Wheelbase	438.8 mm
Aircraft	Max Ascent Speed	10 m/s
Aircraft	Maximum Ascent Speed With Accessories	6 m/s
Aircraft	Max Descent Speed	8 m/s
Aircraft	Max Descent Speed with Accessories	6 m/s
Aircraft	Max Horizontal Speed (at sea level, no wind)	21 m/s 21 m/s flying forward, 18 m/s flying backward, 19 m/s flying sideways* ^{* No faster than 19 m/s with Sport mode in EU regions.}
Aircraft	Max Altitude	6000 m
Aircraft	Max Operating Altitude with Payload	4000 m
Aircraft	Max Flight Time (without wind)	49 min (standard propellers) 46 min (low-noise propellers) ^{Measured with the aircraft flying at approximately 8 m/s without payloads in a windless environment until the battery level reached 0%. Data is for reference only. Actual usage time may vary}

		depending on the flight mode, accessories, and environment. Please pay attention to reminders in the app.
Aircraft	Max Hover Time (without wind)	42 min (standard propellers) 39 min (low-noise propellers) ^{Measured with the aircraft flying at approximately 8 m/s without payloads in a windless environment until the battery level reached 0%. Data is for reference only. Actual usage time may vary depending on the flight mode, accessories, and environment. Please pay attention to reminders in the app.}
Aircraft	Max Flight Distance (no wind)	35 km (standard propellers) 32 km (low-noise propellers) ^{Measured by the aircraft hovering in a windless environment at sea level, from 100% battery level until 0%.}
Aircraft	Max Wind Speed Resistance	12 m/s* ^{* Max wind speed resistance during takeoff and landing.}
Aircraft	Max Pitch Angle	35°
Aircraft	Operating Temperature	-10°C to 40°C (14°F to 104°F)
Aircraft	GNSS	GPS + Galileo + BeiDou + GLONASS* ^{* GLONASS is supported only when the RTK module is enabled.}
Aircraft	Hovering Accuracy Range (windless or breezy)	±0.1 m (with Vision System); ±0.5 m (with GNSS); ±0.1 m (with RTK)
Aircraft	RTK GNSS accuracy	RTK Fix: 1 cm + 1 ppm (horizontal), 1.5 cm + 1 ppm (vertical)
Aircraft	Internal Storage	N/A
Aircraft	Ports	E-Port interface × 1: Supports official accessories and third-party PSDK devices (hot-swapping is not supported) E-Port Lite interface × 1: supports USB connection to DJI tuning software and some third-party PSDK devices. ^{* Accessories or expansion modules must be installed before powering on.}
Aircraft	Propeller Model	1157F (standard propellers) 1154F (low noise propeller)
Aircraft	Beacon	Built into the aircraft

Camera	Image Sensor	<p>DJI Matrice 4T
Wide:
1/1.3-inch CMOS, Effective Pixels: 48 MP
Medium Tele Camera:
1/1.3-inch CMOS, Effective Pixels: 48 MP
Telephoto:
1/1.5-inch CMOS, Effective Pixels: 48 MP

DJI Matrice 4E
Wide:
4/3-inch CMOS Effective Pixels: 20 MP
Medium Tele Camera:
1/1.3-inch CMOS, Effective Pixels: 48 MP
Telephoto:
1/1.5-inch CMOS, Effective Pixels: 48 MP
</p>
Camera	Lens	<p>DJI Matrice 4T
FOV: 82°
Equivalent Focal Length: 24 mm
Aperture: f/1.7
Focus: 1 m to ∞

DJI Matrice 4E
FOV: 84°
Equivalent Focal Length: 24 mm
Aperture: f/2.8-f/11
Focus: 1 m to ∞

Medium Tele Camera
FOV: 35°
Equivalent Focal Length: 70 mm
Aperture: f/2.8
Focus: 3 m to ∞

Tele camera
FOV: 15°
Equivalent Focal Length: 168 mm
Aperture: f/2.8
Focus: 3 m to ∞</p>
Camera	ISO Range	<p>Normal Mode: ISO 100 to ISO 25600

Night Scene Mode:
Matrice 4T:
Wide Camera: ISO 100 to ISO 409600
Midum Tele Camera: ISO 100 to ISO 409600
Tele Camera: ISO 100 to ISO 819200

Matrice 4E:
Wide Camera: ISO 100 to ISO 204800
Midum Tele Camera: ISO 100 to ISO 409600
Tele Camera: ISO 100 to ISO 409600</p>

Camera	Shutter Speed	DJI Matrice 4T 2-1/8000 s DJI Matrice 4E Wide: Electronic Shutter: 2-1/8000 s Mechanical Shutter: 2-1/2000 s Medium Telephoto: 2-1/8000 s Telephoto: 2-1/8000 s
Camera	Max Photo Size	DJI Matrice 4T Wide: 8064 × 6048 Medium Telephoto: 8064 × 6048 Telephoto: 8192 × 6144 DJI Matrice 4E Wide: 5280 × 3956 Medium Telephoto: 8064 × 6048 Telephoto: 8192 × 6144
Camera	Minimum Photo Interval	DJI Matrice 4T: 0.7 s DJI Matrice 4E: 0.5 s
Camera	Still Photography Modes	DJI Matrice 4T: Wide: 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 Shooting:12MP Panorama: 12 MP (raw image);100 MP (stitched image) Medium Tele Camera: Single: 12 MP and 48 MP Timed: 12 MP/48 MP JPEG : 0.7/1/2/3/5/7/10/15/20/30/60 s Smart Shooting: 12MP Telephoto: Single: 12 MP and 48 MP Timed: 12 MP/48 MP JPEG : 0.7/1/2/3/5/7/10/15/20/30/60 s Smart Shooting : 12MP DJI Matrice 4E: 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 Shooting: 20 MP Panorama: 20 MP (raw image);100 MP (stitched image) Medium Tele Camera: Single: 12 MP and 48 MP Timed: 12 MP/48 MP JPEG: 0.5/0.7/1/2/3/5/7/10/15/20/30/60 s

		<p>Smart Shooting : 12 MP

</p> <p>Telephoto:
</p> <p>Single: 12 MP and 48 MP
</p> <p>Timed: 12 MP/48 MP
</p> <p>JPEG: 0.5/0.7/1/2/3/5/7/10/15/20/30/60 s
</p> <p>Smart Shooting: 12 MP</p>
Camera	Video Codec and Resolution	<p>Video Coding Format: H.264/H.265
</p> <p>Coding Strategy: CBR, VBR
</p> <p>Resolution:
</p> <p>4K: 3840 × 2160@30fps
</p> <p>FHD: 1920 × 1080@30fps</p>
Camera	Max Video Bitrate	<p>H.264: 60Mbps
</p> <p>H.265: 40Mbps</p>
Camera	Supported File System	exFAT
Camera	Photo Format	<p>DJI Matrice 4T: JPEG

</p> <p>DJI Matrice 4E:
</p> <p>Wide: JPEG/DNG (RAW)
</p> <p>Medium Tele Camera: JPEG
</p> <p>Telephoto: JPEG</p>
Camera	Video Format	MP4 (MPEG-4 AVC/H.264)
Camera	Digital Zoom	<p>Telephoto:
</p> <p>16x (112x hybrid zoom)</p>
NIR Auxiliary Light	Infrared Illumination	<p>DJI Matrice 4T:
</p> <p>FOV: 5.7°±0.3°</p>

Laser Module	Laser Rangefinding	<p>Measurement Range: 1800 m (1 Hz)
 Oblique Incidence Range (1:5 Oblique Distance): 600 m (1 Hz)
</p> <p>Blind Zone: 1 m
 Distance Measurement Accuracy:
 1-3 m: System Error <0.3 m, Random Error <0.1 meters @1σ
 Other Distances: $\pm(0.2+0.0015D)$ (Target Distance in meters)
 <sup> @20% reflectivity target </sup>
 <sup> Performance degradation may occur in rainy or foggy conditions</sup></p>
Infrared Thermal Camera	Thermal Imager	<p>DJI Matrice 4T: uncooled vanadium oxide (VOx)

</p> <p><sup>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.</sup></p>
Infrared Thermal Camera	Resolution	DJI Matrice 4T: 640 × 512
Infrared Thermal Camera	Pixel Pitch	DJI Matrice 4T: 12 μ m
Infrared Thermal Camera	Frame Rate	DJI Matrice 4T: 30 Hz
Infrared Thermal Camera	Lens	<p>DJI Matrice 4T DFOV: 45°\pm0.3°
 DJI Matrice 4T equivalent focal length: 53 mm
 DJI Matrice 4T Aperture: f/1.0
 DJI Matrice 4T Focus: 5 m to ∞</p>
Infrared Thermal Camera	Sensitivity	DJI Matrice 4T: \leq 50mk@F1.0
Infrared Thermal Camera	Temperature Measurement Method	DJI Matrice 4T: Spot Meter, Area Measurement
Infrared Thermal Camera	Temperature Measurement Range	<p>DJI Matrice 4T:
 High Gain Mode: -20°C to 150°C (-4°F to 302°F) (
 Low Gain Mode: 0°C to 550°C (32°F to 1022°F)</p>
Infrared Thermal Camera	Palette	<p>DJI Matrice 4T:
 White Hot/Black Hot/Tint/Iron Red/Hot Iron/Arctic/Medical/Fulgurite/Rainbow 1/Rainbow 2</p>
Infrared Thermal Camera	Photo Format	DJI Matrice 4T : JPEG (8bit)、 R-JPEG (16bit)

Infrared Thermal Camera	Video Resolution	DJI Matrice 4T: 1280 × 1024@30fps (Super Resolution enabled, Night Mode not activated) Other conditions: 640 × 512@30fps
Infrared Thermal Camera	Video Bitrate	DJI Matrice 4T: 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)
Infrared Thermal Camera	Video Format	DJI Matrice 4T : MP4
Infrared Thermal Camera	Still Photography Modes	DJI Matrice 4T: single: 1280 × 1024/640 × 512 Timed: 1280 × 1024/640 × 512 JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s
Infrared Thermal Camera	Photo Resolution	DJI Matrice 4T: Infrared: 1280 × 1024 (Super Resolution on) 640 × 512 (Super Resolution off)
Infrared Thermal Camera	Digital Zoom	DJI Matrice 4T: 28x
Infrared Thermal Camera	Infrared Wavelength	DJI Matrice 4T: 8um to 14um
Infrared Thermal Camera	Infrared Temperature Measurement Accuracy	DJI Matrice 4T: High Gain: ±2°C or ±2%, whichever is greater DJI Matrice 4T: Low Gain: ±5°C or ±3%, whichever is greater
Gimbal	Stabilization System	DJI Matrice 4T : 3-axis (tilt, roll, pan) DJI Matrice 4E : 3-axis (tilt, roll, pan)
Gimbal	Mechanical Range	DJI Matrice 4T Gimbal Mechanical Limits: Tilt: -140° to 113° Roll: -52° to 52° Pan: -65° to 65° Soft Limits: Tilt: -90° to 35° Roll: -47° to 47° Pan: -60° to 60° DJI Matrice 4E Gimbal Mechanical Limits: Tilt: -140° to 50° Roll: -52° to 52° Pan: -65° to 65° Soft Limits: Tilt: -90° to 35° Roll: -47° to 47° Pan: -60° to 60°

Gimbal	Controllable Rotation Range	DJI Matrice 4T DJI Matrice 4T Pan: ±-90° to 35° Pan: Not controllable DJI Matrice 4E Tilt: -90° to 35° Pan: Not controllable
Gimbal	Max Control Speed (tilt)	100°/s
Gimbal	Angular Vibration Range	±0.007°
Gimbal	Yaw Axis	Manual operation is uncontrollable The MSDK interface program is controllable.
Gimbal	Ingress Protection Rating	No Standard Protection Level
Gimbal	Operating Temperature	Standard: -10°C to 40°C (14°F to 104°F)
Sensing	Sensing Type	Omnidirectional binocular vision system, supplemented with a 3D infrared sensor at the bottom of the aircraft.
Sensing	Forward	Binocular Measurement Range: 0.4-22.5 m Measurement Range: 0.4-200 m Obstacle Avoidance Speed: Flight Speed ≤21 m/s FOV: 90° (horizontal), 135° (vertical)
Sensing	Backward	Measurement Range: 0.4-22.5 m Measurement Range: 0.4-200 m Obstacle Avoidance Speed: Flight Speed ≤21 m/s Field of View (FOV)-90° (horizontal), 135° (vertical)
Sensing	Lateral	Measurement Range: 0.5-32 m Measurement Range: 0.5-200 m Obstacle Avoidance Speed: Flight Speed ≤21 m/s FOV: 90° (horizontal), 90° (vertical)
Sensing	Downward	Measurement Range: 0.3-18.8 m Obstacle Avoidance Speed: Flight Speed ≤10 m/s The FOV to the front and rear is 160° and 160° to the right and left.
Sensing	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 reflectivity 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.</sup>
Video Transmission	Video Transmission System	O4 Enterprise
Video Transmission	Live View Quality	Remote Controller: 1080p/30fps

Video Transmission	Operating Frequency	2.400-2.4835 GHz 2.400-2.4835 GHz 5.725-5.850 GHz 5.150-5.250 GHz (CE) ^{Operating frequency allowed varies among countries and regions. Refer to local laws and regulations for more information.}
Video Transmission	Transmitter Power (EIRP)	2.4 GHz: ≤33 dBm (FCC), ≤20 dBm (CE/SRRC/MIC) 5.8 GHz: <33 dBm (FCC), <30 dB (SRRC) , <14 dBm (CE) 5.15-5.25: < 23 dBm (FCC/CE)
Video Transmission	Max Transmission Distance (unobstructed, free of interference)	25 km (FCC) 12 km (CE) 12 km (SRRC) 12 km (MIC) ^{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	Max Transmission Distance (with interference)	Strong Interference - City Centers (approx. 1.5-5 km) Medium Interference - Suburban Areas (approx. 5-15 km) Micro interference : Suburbs/Seasides (approx. 15-25 km) ^{* Data is tested under FCC standards in unobstructed environments of typical interference. Only to serve as a reference and provides no guarantee as to the actual flight distance.}
Video Transmission	Max Download Speed	20 MB/s ^{The above data was measured under conditions where the aircraft and remote controller were in close proximity without interference.}
Video Transmission	Latency (depending on environmental conditions and mobile device)	130 ms ^{Under near-field interference-free conditions, the Latency performance when shooting with a 1x lens.}
Video Transmission	Antenna	8 antennas, 2T4R
Video Transmission	Others	Cellular Dongle Compartment
Memory Card	Supported SD Cards	U3/Class10/V30 or above is required, or use a memory card from the recommended list.

Memory Card	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
Intelligent Flight Battery	Capacity	6741 mAh
Intelligent Flight Battery	Standard Voltage	14.76 V
Intelligent Flight Battery	Max Charging Voltage	17.0 V
Intelligent Flight Battery	Cell Type	Li-ion 4S
Intelligent Flight Battery	Energy	99.5 Wh
Intelligent Flight Battery	Weight	401 g
Intelligent Flight Battery	Recharging Temperature	5°C to 40°C (41°F to 104°F)
Intelligent Flight Battery	Discharge Rate	4C
Intelligent Flight Battery	Max Charging Power	1.8C
Intelligent Flight Battery	Supports low-temperature charging	Not supported
Intelligent Flight Battery	Cycle Count	200
Power Adapter (100W)	Input	100-240 V (AC), 50-60 Hz, 2.5 A

Power Adapter (100W)	Output	Max. 100 W (total) ^{When both ports are used, the max output power of one port is 82 W, and the charger will dynamically allocate the output power of the two ports according to the power load.}
Power Adapter (100W)	Rated Power	100 W
Charging Hub	Input	USB-C : 5-20 V, max 5 A
Charging Hub	Output	Battery Interface: 11.2 V to 17 V
Charging Hub	Rated Power	100 W
Charging Hub	Recharging Type	4 batteries charging in sequence Support Standard Mode (100% SOC) and Standby Mode (90% SOC)
Charging Hub	Compatible Battery	DJI Matrice 4E/T Series Intelligent Flight Battery
Charging Hub	Charging Temperature	5° to 40° C (41°F to 104°F)
DJI RC Plus 2 Enterprise	Video Transmission System	O4 Enterprise
DJI RC Plus 2 Enterprise	Max Transmission Distance (unobstructed, free of interference)	25 km (FCC) 12 km (CE) 12 km (SRRRC) 12 km (MIC) ^{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.}
DJI RC Plus 2 Enterprise	Operating Band of Image Transmission	2.4000-2.4835 GHz 5.725 - 5.850 GHz 5.1G receive only (open in Europe and America) ^{Operating frequency allowed varies among countries and regions. Refer to local laws and regulations for more information.}
DJI RC Plus 2 Enterprise	Antenna	2T4R, built-in multi-beam high-gain antenna

DJI RC Plus 2 Enterprise	Video Transmission Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.1 GHz: <23 dBm (CE) 5.8 GHz: <33 dBm (FCC), <14 dBm (CE), <30 dBm (SRRC)
DJI RC Plus 2 Enterprise	4G Transmission	DJI Cellular Dongle 2
DJI RC Plus 2 Enterprise	Wi-Fi Protocol	Wi-Fi Direct, Wireless Display, IEEE 802.11a/b/g/n/ac/ax Support 2 × 2 MIMO Wi-Fi, Dual Band Simultaneous (DBS) with dual MAC, up to 1774.5 Mbps data rate (2 × 2 + 2 × 2 11ax DBS)
DJI RC Plus 2 Enterprise	Wi-Fi Operating Band	2.4000-2.4835 GHz 5.150-5.250 GHz 5.725-5.850 GHz ^{5.8 and 5.2GHz frequencies are prohibited in some countries. In some countries, the 5.2GHz frequency is only allowed for use in indoor.}
DJI RC Plus 2 Enterprise	Wi-Fi Transmitter Power (EIRP)	2.4 GHz: <26 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.1 GHz: <23 dBm (FCC) 5.8 GHz <23 dBm (FCC/SRRC), <14 dBm (CE)
DJI RC Plus 2 Enterprise	Bluetooth Protocol	Bluetooth 5.2
DJI RC Plus 2 Enterprise	Bluetooth Operating Frequency	2.400-2.4835 GHz
DJI RC Plus 2 Enterprise	Bluetooth Transmitter Power (EIRP)	<10 dBm
DJI RC Plus 2 Enterprise	Screen Resolution	1920 × 1200
DJI RC Plus 2 Enterprise	Screen Size	7.02 inches
DJI RC Plus 2 Enterprise	Screen Frame Rate	60 fps
DJI RC Plus 2	Brightness	1400 nits

Enterprise		
DJI RC Plus 2 Enterprise	Touchscreen Control	10 Points Multi-touch
DJI RC Plus 2 Enterprise	Built-in Battery	2S2P High Energy Density 18650 Lithium-ion Battery (6500 mAh @ 7.2 V) 46.8 Wh
DJI RC Plus 2 Enterprise	External Battery	Optional, WB37 (4920 mAh @ 7.6 V) 37 Wh
DJI RC Plus 2 Enterprise	Recharging Type	Supports PD fast charging, with a maximum specification of 20 V/3.25 A USB Type-C charger.
DJI RC Plus 2 Enterprise	Storage Capacity	ROM 128 G + expandable storage via microSD card
DJI RC Plus 2 Enterprise	Charging Time	2 hrs for internal battery or internal and external battery. ^{When remote controller is powered off and using a standard DJI charger.}
DJI RC Plus 2 Enterprise	Internal Battery Runtime	3.8 hrs
DJI RC Plus 2 Enterprise	External Battery Runtime	3.2 hrs
DJI RC Plus 2 Enterprise	Output Port	HDMI 1.4
DJI RC Plus 2 Enterprise	Indicators	Status light & power light & permission light, three-color light, brightness can be adjusted according to ambient brightness.
DJI RC Plus 2 Enterprise	Speaker	Supports buzzer
DJI RC Plus 2 Enterprise	Audio	Array MIC

DJI RC Plus 2 Enterprise	Operating Temperature	-20° to 50° C (D228 (-4°F to 122°F))
DJI RC Plus 2 Enterprise	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)
DJI RC Plus 2 Enterprise	Recharging Temperature	5° to 40° C (41°F to 104°F)
DJI RC Plus 2 Enterprise	Supported Aircraft Models	Support for Matrice 4T/4E
DJI RC Plus 2 Enterprise	GNSS	GPS, Galileo, and BeiDou triple-mode, supports dynamic Home Point refresh.
DJI RC Plus 2 Enterprise	Dimensions	268×163×94.5 mm (L×W×H) ^{Width including external antenna folded, thickness including handle and controller sticks.}
DJI RC Plus 2 Enterprise	Weight	1.15 kg (without external battery)
DJI RC Plus 2 Enterprise	Model	TKPL 2
DJI RC Plus 2 Enterprise	System Version	Android 11
DJI RC Plus 2 Enterprise	External Interfaces	HDMI 1.4, SD3.0, Type-C supports OTG, supports PD charging, maximum power 65W, USB-A supports USB 2.0 interface.
DJI RC Plus 2 Enterprise	Accessory	Optional strap/waist support
AL1 Spotlight	Weight	99 g (including bracket) Approx. 91 g (excluding bracket)
AL1 Spotlight	Dimensions	95×164×30 mm (L×W×H, including bracket) 79×164×28 mm (L×W×H, without bracket)
AL1 Spotlight	Max. Power	32 W

AL1 Spotlight	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.}
AL1 Spotlight	Effective Illumination Angle	23° (10% relative illumination)
AL1 Spotlight	Effective Illumination Area	1,300 square meters @ 100 meters (10% relative illumination, Normal Mode) 2,200 square meters @ 100 meters (10% central illuminance, Wide fov Mode)
AL1 Spotlight	Operating Mode	Supports always-on and strobe modes.
AL1 Spotlight	Gimbal Structural Design Range	Tilt: -140° to 50°
AL1 Spotlight	Controllable Range:	Tilt: -90° to 35°
AL1 Spotlight	Max Control Speed (tilt)	120°/s
AL1 Spotlight	Gimbal Alignment Accuracy	±0.1°
AL1 Spotlight	Operating Temperature	-20°C to 50°C (-4°F to 122°F)
AL1 Spotlight	Mounting	Quick-release hand-tightened screws
AS1 Speaker	Weight	92.5 g (including bracket) Approx. 90 g (excluding bracket)
AS1 Speaker	Dimensions	73×70×52 mm (L×W×H, including bracket) 73×70×47 mm (L×W×H, without bracket)
AS1 Speaker	Max. Power	15 W
AS1 Speaker	Max. Volume	At 1 meter, it can reach 114 decibels (114dB@1m). ^{Data measured in a laboratory environment at 25°C. Actual conditions may vary slightly due to software version, audio source, specific environment, and other factors. The final effect is subject to actual use.}
AS1 Speaker	Effective Broadcast Distance	300 m ^{Data measured in a laboratory environment at 25°C. Actual conditions may vary slightly due to software version, audio source, specific environment, and other factors. The final effect is subject to actual use.}

AS1 Speaker	Broadcast Mode	Real-time broadcasting (supports echo suppression*), recorded broadcasting, media import (supports simultaneous transmission and playback), text-to- speech** ^{* Need to upgrade to the latest firmware. ** Currently only supports Chinese and English.}
AS1 Speaker	Operating Temperature	-20°C to 50°C (-4°F to 122°F)
AS1 Speaker	Mounting	Quick-release hand-tightened screws