



## MATRICE 4 Series

## The Age of Intelligent Flight

DJI's latest compact, intelligent multi-sensor flagship drone series for enterprise industries. The series includes the Matrice 4T and Matrice 4E, each equipped with advanced features including smart detection and measurement with laser range finder.

## AIRCRAFT

|                              |                                                                                      |                                   |                                                                        |
|------------------------------|--------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------|
| <b>Dimensions:</b>           | 260.6×113.7×138.4 mm (Folded) ; 307.0×387.5×149.5 mm (Unfolded, propellers excluded) |                                   |                                                                        |
| <b>Max. Take-off Weight:</b> | 1420 g (Standard propellers) ; 1430 g (Low-Noise propellers)                         |                                   |                                                                        |
| <b>Propeller size:</b>       | 27,4 cm                                                                              | <b>Max Altitude:</b>              | 6000 m ; 4000 m (with payload)                                         |
| <b>Max Payload:</b>          | 200 g                                                                                | <b>Max Horizontal Speed:</b>      | 21 m/s forward<br>18 m/s backward<br>19 m/s sideways                   |
| <b>Max Ascent Speed:</b>     | 10 m/s ; 6 m/s (with accessories)                                                    | <b>Max Wind Speed Resistance:</b> | 12 m/s                                                                 |
| <b>Max Decent Speed:</b>     | 8 m/s ; 6 m/s (with accessories)                                                     | <b>Max Flight Time:</b>           | 49 min (standard propellers)<br>46 min (low-noise propellers)          |
| <b>Diagonal Wheelbase:</b>   | 438.8 mm                                                                             | <b>Max Hover Time:</b>            | 42 min (standard propellers)<br>39 min (low-noise propellers)          |
| <b>Max Pitch Angle:</b>      | 35°                                                                                  | <b>Operating Temperature:</b>     | -10°C to 40°C                                                          |
| <b>GNSS:</b>                 | GPS;Galileo;BeiDou;GLONASS                                                           | <b>Hovering Accuracy Range:</b>   | ±0.1 m (with Vision System)<br>±0.5 m (with GNSS)<br>±0.1 m (with RTK) |
| <b>RTK GNSS Accuracy:</b>    | Hor: 1 cm + 1 ppm<br>Vert: 1.5 cm + 1 ppm (vertical)                                 | <b>Beacon:</b>                    | Built into the aircraft                                                |
| <b>Propeller Model:</b>      | 1157F (standard propellers)<br>1154F (low noise propeller)                           |                                   |                                                                        |

## 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.

## CAMERA

|                     |                                 |                          |                                          |
|---------------------|---------------------------------|--------------------------|------------------------------------------|
| <b>Image Sensor</b> | <a href="#">DJI Matrice 4T</a>  | 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 |
|                     | <a href="#">DJI Matrice 4E</a>  | 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 |
| <b>Lens</b>         | <a href="#">DJI Matrice 4T:</a> | FOV:                     | 82°                                      |
|                     |                                 | Equivalent Focal Length: | 24 mm                                    |
|                     |                                 | Aperture:                | f/1.7                                    |
|                     |                                 | Focus:                   | 1 m to ∞                                 |

|                                    |                                                                                                                              |                                                                                                                           |                                                          |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|                                    | <a href="#">DJI Matrice 4E:</a>                                                                                              | FOV: 84°<br>Equivalent Focal Length: 24 mm<br>Aperture: f/2.8-f/11<br>Focus: 1 m to ∞                                     |                                                          |
|                                    | - Medium Tele Camera:                                                                                                        | FOV: 35°<br>Equivalent Focal Length: 70 mm<br>Aperture: f/2.8<br>Focus: 3 m to ∞                                          |                                                          |
|                                    | - Tele Camera:                                                                                                               | FOV: 35°<br>Equivalent Focal Length: 70 mm<br>Aperture: f/2.8<br>Focus: 3m to ∞                                           |                                                          |
| <b>ISO Range</b>                   | <a href="#">Normal Mode:</a>                                                                                                 | ISO 100 to ISO 25600                                                                                                      |                                                          |
|                                    | <a href="#">Night Scene Mode:</a>                                                                                            | <a href="#">DJI Matrice 4T</a>                                                                                            | <a href="#">DJI Matrice 4E</a>                           |
|                                    | - Wide Camera:                                                                                                               | ISO 100 to ISO 409600                                                                                                     | ISO 100 to ISO 204800                                    |
|                                    | - Medium Tele Camera:                                                                                                        | ISO 100 to ISO 409600                                                                                                     | ISO 100 to ISO 409600                                    |
|                                    | - Tele Camera:                                                                                                               | ISO 100 to ISO 819200                                                                                                     | ISO 100 to ISO 409600                                    |
| <b>Shutter Speed</b>               | <a href="#">DJI Matrice 4T:</a>                                                                                              | 2-1/8000 s                                                                                                                |                                                          |
|                                    | <a href="#">DJI Matrice 4E:</a><br>(Wide Camera)                                                                             | Electronic Shutter: 2-1/8000 s<br>Mechanical Shutter: 2-1/2000 s<br>Medium Telephoto: 2-1/8000 s<br>Telephoto: 2-1/8000 s |                                                          |
| <b>Max Photo Size</b>              |                                                                                                                              | <a href="#">DJI Matrice 4T</a>                                                                                            | <a href="#">DJI Matrice 4E</a>                           |
|                                    | - Wide:                                                                                                                      | 8064 × 6048                                                                                                               | 5280 × 3956                                              |
|                                    | - Medium Telephoto:                                                                                                          | 8064 × 6048                                                                                                               | 8064 × 6048                                              |
|                                    | - Telephoto:                                                                                                                 | 8192 × 6144                                                                                                               | 8192 × 6144                                              |
| <b>Minimum Photo Interval</b>      |                                                                                                                              | 0.7 s                                                                                                                     | 0.5 s                                                    |
| <b>Still Photography Modes</b>     |                                                                                                                              | <a href="#">DJI Matrice 4T</a>                                                                                            | <a href="#">DJI Matrice 4E</a>                           |
|                                    | - Single:                                                                                                                    | 12 MP/48 MP                                                                                                               | 20MP                                                     |
|                                    | - Interval:                                                                                                                  | 12 MP/48 MP                                                                                                               | 20MP                                                     |
|                                    | - JPEG:                                                                                                                      | 0.7/1/2/3/5/7/10/<br>15/20/30/60 s                                                                                        | 0.5/0.7/1/2/3/5/7/10/<br>15/20/30/60 s                   |
|                                    | - Smart Shooting:                                                                                                            | 12MP                                                                                                                      | 20MP                                                     |
|                                    | - Panorama:                                                                                                                  | 12 MP (raw image)<br>100 MP (stitched image)                                                                              | 20 MP (raw image)<br>100 MP (stitched image)             |
| <b>Medium Tele Camera</b>          |                                                                                                                              |                                                                                                                           |                                                          |
|                                    | - Single:                                                                                                                    | 12 MP and 48 MP                                                                                                           | 12 MP and 48 MP                                          |
|                                    | - Interval:                                                                                                                  | 12 MP/48 MP                                                                                                               | 12 MP/48 MP                                              |
|                                    | - JPEG:                                                                                                                      | 0.7/1/2/3/5/7/10/<br>15/20/30/60 s                                                                                        | 0.5/0.7/1/2/3/5/7/10/<br>15/20/30/60 s                   |
|                                    | - Smart Shooting:                                                                                                            | 12MP                                                                                                                      | 12 MP                                                    |
| <b>Telephoto</b>                   |                                                                                                                              |                                                                                                                           |                                                          |
|                                    | - Single:                                                                                                                    | 12 MP and 48 MP                                                                                                           | 12 MP and 48 MP                                          |
|                                    | - Interval:                                                                                                                  | 12 MP/48 MP                                                                                                               | 12 MP/48 MP                                              |
|                                    | - JPEG:                                                                                                                      | 0.7/1/2/3/5/7/10/<br>15/20/30/60 s                                                                                        | 0.5/0.7/1/2/3/5/7/10/<br>15/20/30/60 s                   |
|                                    | - Smart Shooting:                                                                                                            | 12MP                                                                                                                      | 12 MP                                                    |
| <b>Video Codec and Resolution:</b> | Video Coding Format: H.264/H.265<br>Coding Strategy: CBR, VBR<br>Resolution: 4K: 3840 × 2160@30fps<br>FHD: 1920 × 1080@30fps |                                                                                                                           | <b>Max Video Bitrate:</b> H.264: 60Mbps<br>H.265: 40Mbps |
|                                    |                                                                                                                              | <b>Supported File System:</b> exFAT                                                                                       |                                                          |

|                      |                                       |                                       |                        |
|----------------------|---------------------------------------|---------------------------------------|------------------------|
| <b>Photo Format:</b> | <a href="#"><u>DJI Matrice 4T</u></a> | <a href="#"><u>DJI Matrice 4E</u></a> |                        |
|                      | JPEG                                  | Wide:                                 | JPEG/DNG (RAW)         |
|                      |                                       | Medium Tele Camera:                   | JPEG                   |
|                      |                                       | Telephoto:                            | JPEG                   |
| <b>Video Format:</b> | MP4 (MPEG-4 AVC/H.264)                | <b>Digital Zoom</b>                   |                        |
|                      |                                       | Telephoto:                            | 16x (112x hybrid zoom) |

## NIR AUXILIARY LIGHT

**Infrared Illumination:** DJI Matrice 4T :\_FOV: 5.7°±0.3°

## LASER MODULE

### Laser Rangefinding

|                                                   |                                                                  |
|---------------------------------------------------|------------------------------------------------------------------|
| Measurement 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:                    | 1-3 m: System Error <0.3 m, Random Error <0.1 meters @1σ         |
| Other Distances:                                  | ±(0.2+0.0015D) (D represents the measurement distance in meters) |

## INFRARED THERMAL CAMERA (DJI Matrice 4T only)

**Thermal Imager:** Uncooled vanadium oxide (VOx)

|               |                          |          |                     |            |
|---------------|--------------------------|----------|---------------------|------------|
| <b>Lens :</b> | DFOV:                    | 45°±0.3° | <b>Resolution:</b>  | 640 × 512  |
|               | Equivalent focal length: | 53 mm    | <b>Pixel Pitch:</b> | 12 μm      |
|               | Aperture:                | f/1.0    | <b>Frame Rate:</b>  | 30 Hz      |
|               | Focus:                   | 5 m to ∞ | <b>Sensitivity:</b> | ≤50mk@F1.0 |

**Temperature Measurement Method:** Spot Meter, Area Measurement

**Temperature Measurement Range** **High Gain Mode:** -20°C to 150 °C **Low Gain Mode:** 0°C to 550 °C

**Palette:** White Hot/Black Hot/Tint/Iron Red/Hot  
Iron/Arctic/Medical/Fulgurite/Rainbow 1/Rainbow 2

**Photo Format:** JPEG (8bit) ; R-JPEG (16bit)

**Video Resolution:** 1280 × 1024@30fps (Super Resolution enabled, Night Mode not activated)  
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 **Digital Zoom :** 28x

### Still Photography Modes

- Single: 1280 × 1024/640 × 512  
- Interval: 1280 × 1024/640 × 512  
- JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s

**Photo Resolution (Infrared):** 1280 × 1024 (Super Resolution on)  
640 × 512 (Super Resolution off)

**Infrared Wavelength :** 8um to 14um

**Infrared Temperature Measurement Accuracy:** **High Gain:** ±2°C or ±2%, whichever is greater  
**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)

### Mechanical Range

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](#)

-140° to 50°

-52° to 52°

-65° to 65°

-90° to 35°

-47° to 47°

-60° to 60°

### Controllable Rotation Range

#### [DJI Matrice 4T](#)

Tilt: ±-90° to 35°

Pan: Not controllable

#### [DJI Matrice 4E](#)

-90° to 35°

Not controllable

**Max Control Speed (tilt):** 100°/s

**Ingress Protection Rating:** No Standard Protection Level

**Angular Vibration Range:** ±0.007°

**Operating Temperature:** Standard: -10°C to 40°C

### Yaw Axis:

Manual operation is uncontrollable

The MSDK interface program is controllable

## SENSING

**Sensing Type:** Omnidirectional binocular vision system, supplemented with a 3D infrared sensor the bottom of the aircraft.

### 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)

### 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)

### 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)

### 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.

### 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 > 20% (eg walls, trees, people, etc.)

## VIDEO TRANSMISSION

**Video Transmission System:** O4 Enterprise

**Operating Frequency:** 2.400-2.4835 GHz

### Live View Quality

Remote Controller: 1080p/30fps

2.400-2.4835 GHz

5.725-5.850 GHz

5.150-5.250 GHz (CE)

### 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)

### 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)

|                                                                           |                            |                             |
|---------------------------------------------------------------------------|----------------------------|-----------------------------|
| <b>Max Transmission Distance (unobstructed, no interference):</b>         | <b>Max Download Speed:</b> | 100°/s                      |
| 25 km (FCC)                                                               | <b>Antenna:</b>            | 8 antennas, 2T4R            |
| 12 km (CE)                                                                | <b>Other:</b>              | Cellular Dongle Compartment |
| 12 km (SRRC)                                                              |                            |                             |
| 12 km (MIC)                                                               |                            |                             |
| <b>Latency (depending on environmental conditions and mobile device):</b> |                            | 130 ms                      |

MEMORY CARD

|                                       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| <b>Supported SD Cards</b>             | U3/Class10/V30 or above is required or use a memory card from the recommended list. |
| <b>Recommended microSD Cards</b>      |                                                                                     |
| Lexar 1066x 64GB U3 A2 V30 microSDXC  | Kingston Canvas GO! Plus 64GB U3 A2 V30 microSDXC                                   |
| Lexar 1066x 128GB U3 A2 V30 microSDXC | Kingston Canvas GO! Plus 128GB U3 A2 V30 microSDXC                                  |
| Lexar 1066x 256GB U3 A2 V30 microSDXC | Kingston Canvas GO! Plus 256GB U3 A2 V30 microSDXC                                  |
| Lexar 1066x 512GB U3 A2 V30 microSDXC | Kingston Canvas GO! Plus 512GB U3 A2 V30 microSDXC                                  |

INTELLIGENT FLIGHT BATTERY

|                                |             |                                           |               |
|--------------------------------|-------------|-------------------------------------------|---------------|
| <b>Capacity:</b>               | 6741 mAh    | <b>Standard Voltage:</b>                  | 14.76 V       |
| <b>Max Charging Voltage:</b>   | 17.0 V      | <b>Cell Type:</b>                         | Li-ion 4S     |
| <b>Energy:</b>                 | 99.5 Wh     | <b>Weight:</b>                            | 401 g         |
| <b>Recharging Temperature:</b> | 5°C to 40°C | <b>Discharge Rate:</b>                    | 4C            |
| <b>Max Charging Power:</b>     | 1.8C        | <b>Supports low-temperature charging:</b> | Not supported |
| <b>Cycle Count:</b>            | 200         |                                           |               |

POWER ADAPTER (100W)

|                     |                                 |                |                    |
|---------------------|---------------------------------|----------------|--------------------|
| <b>Input:</b>       | 100-240 V (AC), 50-60 Hz, 2.5 A | <b>Output:</b> | Max. 100 W (total) |
| <b>Rated Power:</b> | 100 W                           |                |                    |

CHARGING HUB

|                            |                                                                                                |                              |                                   |
|----------------------------|------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------|
| <b>Input:</b>              | USB-C : 5-20 V, max 5A                                                                         | <b>Output:</b>               | Battery Interface: 11.2 V to 17 V |
| <b>Rated Power:</b>        | 100 W                                                                                          | <b>Charging Temperature:</b> | 5° to 40°C                        |
| <b>Compatible Battery:</b> | DJI Matrice 4E/T Series Intelligent Flight Battery                                             |                              |                                   |
| <b>Recharging Type:</b>    | 4 batteries charging in sequence   Support Standard Mode (100% SOC) and Standby Mode (90% SOC) |                              |                                   |

DJI RC PLUS 2 ENTERPRISE

|                                                     |               |                                              |                                                      |
|-----------------------------------------------------|---------------|----------------------------------------------|------------------------------------------------------|
| <b>Video Transmission System:</b>                   | O4 Enterprise | <b>Antenna:</b>                              | 2T4R, built-in multi-beam high-gain antenna          |
| <b>Max Transmission Distance:</b>                   | 25 km (FCC)   | <b>Operating Band of Image Transmission:</b> |                                                      |
| (unobstructed, free of interference)                | 12 km (CE)    |                                              | 2.4000-2.4835 GHz                                    |
|                                                     | 12 km (SRRC)  |                                              | 5.725 - 5.850 GHz                                    |
|                                                     | 12 km (MIC)   |                                              | 5.1GHz (receive only)                                |
| <b>Video Transmission Transmitter Power (EIRP):</b> |               |                                              |                                                      |
|                                                     |               |                                              | 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) |

|                                            |                                                                                                                                                                                        |                                       |                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------|
| <b>4G Transmission:</b>                    | DJI Cellular Dongle 2                                                                                                                                                                  |                                       |                                    |
| <b>Wi-Fi Protocol:</b>                     | Wi-Fi Direct, Wireless Display, IEEE 802.11a/b/g/n/ac/ax<br>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) |                                       |                                    |
| <b>Wi-Fi Operating Band:</b>               | 2.4000-2.4835 GHz<br>5.150-5.250 GHz<br>5.725-5.850 GHz                                                                                                                                |                                       |                                    |
| <b>Wi-Fi Transmitter Power (EIRP):</b>     | 2.4 GHz: <26 dBm (FCC), <20 dBm (CE/SRRC/ MIC)<br>5.1 GHz: <23 dBm (FCC)<br>5.8 GHz <23 dBm (FCC/SRRC), <14 dBm (CE)                                                                   |                                       |                                    |
| <b>Bluetooth Protocol:</b>                 | Bluetooth 5.2                                                                                                                                                                          | <b>Bluetooth Operating Frequency:</b> | 2.400-2.4835 GHz                   |
| <b>Bluetooth Transmitter Power (EIRP):</b> | <10 dBm                                                                                                                                                                                | <b>Screen Resolution:</b>             | 1920 × 1200                        |
| <b>Screen Size:</b>                        | 7.02 inches                                                                                                                                                                            | <b>Screen Frame Rate:</b>             | 60 fps                             |
| <b>Brightness:</b>                         | 1400 nits                                                                                                                                                                              | <b>Touchscreen Control:</b>           | 10 Points Multi-touch              |
| <b>Built-in Battery:</b>                   | 2S2P High Energy Density 18650 Lithium-ion Battery (6500 mAh @ 7.2 V) 46.8 Wh                                                                                                          |                                       |                                    |
| <b>External Battery:</b>                   | Optional, WB37 (4920 mAh @ 7.6 V) 37 Wh                                                                                                                                                |                                       |                                    |
| <b>Recharging Type:</b>                    | Supports PD fast charging, with a maximum specification of 20 V/3.25 A USB Type-C charger.                                                                                             |                                       |                                    |
| <b>Storage Capacity:</b>                   | ROM 128 G + expandable storage via microSD card                                                                                                                                        |                                       |                                    |
| <b>Charging Time:</b>                      | 2 hrs for internal battery or internal and external battery.                                                                                                                           |                                       |                                    |
| <b>Internal Battery Runtime:</b>           | 3.8 hrs                                                                                                                                                                                | <b>External Battery Runtime:</b>      | 3.2 hrs                            |
| <b>Output Port:</b>                        | HDMI 1.4                                                                                                                                                                               | <b>Speaker:</b>                       | Supports buzzer                    |
| <b>Audio:</b>                              | Array MIC                                                                                                                                                                              | <b>Operating Temperature:</b>         | -20° to 50°C                       |
| <b>Storage Temperature</b>                 |                                                                                                                                                                                        | <b>Dimensions:</b>                    | 268×163×94.5 mm (L×W×H)            |
| Within one month:                          | -30° to 45° C                                                                                                                                                                          | <b>Weight:</b>                        | 1.15 kg (without external battery) |
| One to three months:                       | -30° to 35° C                                                                                                                                                                          | <b>Model:</b>                         | TKPL 2                             |
| Three months to one year:                  | -30° to 30° C                                                                                                                                                                          | <b>System Version:</b>                | Android 11                         |
| <b>Recharging Temperature:</b>             | 5° to 40° C                                                                                                                                                                            | <b>Accessory:</b>                     | Optional strap/waist support       |
| <b>Supported Aircraft Models:</b>          | Support for Matrice 4T/4E                                                                                                                                                              |                                       |                                    |
| <b>GNSS:</b>                               | GPS, Galileo, and BeiDou triple-mode, supports dynamic Home Point refresh.                                                                                                             |                                       |                                    |
| <b>External Interfaces:</b>                | HDMI 1.4, SD3.0, Type-C supports OTG, supports PD charging, maximum power 65W, USB-A supports USB 2.0 interface.                                                                       |                                       |                                    |

### AL1 SPOTLIGHT

|                        |                                                                |                                        |                                                                                 |
|------------------------|----------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------|
| <b>Weight:</b>         | 92.5 g (including bracket)<br>Approx. 90 g (excluding bracket) | <b>Dimensions:</b>                     | 73×70×52 mm (L×W×H,including bracket)<br>73×70×47 mm (L×W×H, without bracket)   |
| <b>Max. Power:</b>     | 15 W                                                           | <b>Effective Broadcast Distance:</b>   | 300 m                                                                           |
| <b>Max. Volume:</b>    | At 1 meter, it can reach 114 decibels                          | <b>Operating Temperature:</b>          | -20°C to 50°C                                                                   |
| <b>Weight:</b>         | 99 g (including bracket)<br>Approx. 91 g (excluding bracket)   | <b>Dimensions:</b>                     | 95×164×30 mm (L×W×H,including bracket)<br>79×164×28 mm (L×W×H, without bracket) |
| <b>Max. Power:</b>     | 32 W                                                           | <b>Illuminance:</b>                    | 4.3±0.2 lux @ 100 meters, 17±0.2 lux @ 50m                                      |
| <b>Operating Mode:</b> | Supports always-on and strobe modes.                           |                                        |                                                                                 |
|                        |                                                                | <b>Gimbal Structural Design Range:</b> | Tilt: -140° to 50°                                                              |

|                                     |                                                                                                                                                        |                                      |                                 |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|
| <b>Controllable Range:</b>          | Tilt: -90° to 35°                                                                                                                                      | <b>Max Control Speed (tilt):</b>     | 120°/s                          |
| <b>Gimbal Alignment Accuracy:</b>   | ±0.1°                                                                                                                                                  | <b>Operating Temperature:</b>        | -20°C to 50°C                   |
| <b>Mounting:</b>                    | Quick-release hand-tightened screws                                                                                                                    | <b>Effective Illumination Angle:</b> | 23° (10% relative illumination) |
| <b>Effective Illumination Area:</b> | 1,300 square meters @ 100 meters (10% relative illumination, Normal Mode)<br>2,200 square meters @ 100 meters (10% central illuminance, Wide fov Mode) |                                      |                                 |

AS1 SPEAKER

|                     |                                                                |                                      |                                                                                |
|---------------------|----------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------|
| <b>Weight:</b>      | 92.5 g (including bracket)<br>Approx. 90 g (excluding bracket) | <b>Dimensions:</b>                   | 73×70×52 mm (L×W×H, including bracket)<br>73×70×47 mm (L×W×H, without bracket) |
| <b>Max. Power:</b>  | 15 W                                                           | <b>Effective Broadcast Distance:</b> | 300 m                                                                          |
| <b>Max. Volume:</b> | At 1 meter, it can reach 114 decibels (114dB@1m)               | <b>Operating Temperature:</b>        | -20°C to 50°C                                                                  |
| <b>Mounting:</b>    | Quick-release hand-tightened screws                            | <b>Operating Temperature:</b>        | -20°C to 50°C                                                                  |