

Specs – MINI PRO 4



Aircraft

- **Takeoff Weight**

- < 249 g

Standard aircraft weight (including the Intelligent Flight Battery, propellers, and a microSD card). The actual product weight may vary due to differences in batch materials and external factors. Training or examination is not required for flying this product in most countries and regions. Always check local laws and regulations before use. With the Intelligent Flight Battery Plus*, the aircraft will weigh more than 249 g. Always check and strictly abide by local laws and regulations before flying.

- **Dimensions**

- Folded (without propellers): 148×94×64 mm (L×W×H)
Unfolded (with propellers): 298×373×101 mm (L×W×H)

- **Max Ascent Speed**

- 5 m/s (S Mode)
5 m/s (N Mode)
3 m/s (C Mode)

- **Max Descent Speed**

- 5 m/s (S Mode)
5 m/s (N Mode)
3 m/s (C Mode)

- **Max Horizontal Speed (at sea level, no wind)**

- 16 m/s (S Mode)
12 m/s (N Mode)
12 m/s (C Mode)

The max horizontal speed is subject to dynamic local restrictions. Always abide by local laws and regulations when flying.

- **Max Takeoff Altitude**

- With DJI Mini 4 Pro Intelligent Flight Battery: 4000 m
With DJI Mini 3 Series Intelligent Flight Battery Plus*: 3000 m

Increase in aircraft weight can affect flight propulsion. When the aircraft is using the Intelligent Flight Battery Plus, do not mount additional payloads like a propeller guard or third-party accessories to avoid diminished propulsion.

* The Intelligent Flight Battery Plus is not sold in Europe.

- **Max Flight Time**

- 34 minutes (with Intelligent Flight Battery)
45 minutes (with Intelligent Flight Battery Plus)*

Measured in a controlled test environment. Specific test conditions are as follows: flying forward at a constant speed of 21.6 kph 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.

* The Intelligent Flight Battery Plus is not sold in Europe.

- **Max Hovering Time**

- 30 minutes (with Intelligent Flight Battery)
39 minutes (with Intelligent Flight Battery Plus)*
Measured in a controlled test environment. Specific test conditions are as follows: hovering 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.
* The Intelligent Flight Battery Plus is not sold in Europe.

- **Max Flight Distance**

- 18 km (with Intelligent Flight Battery and measured while flying at 40.7 kph in a windless environment at 20 meters above sea level)
25 km (with Intelligent Flight Battery Plus* and measured while flying at 44.3 kph in a windless environment at 20 meters above sea level)
* The Intelligent Flight Battery Plus is not sold in Europe.

- **Max Wind Speed Resistance**

- 10.7 m/s

- **Max Pitch Angle**

- 35°

- **Operating Temperature**

- -10° to 40° C (14° to 104° F)

- **Global Navigation Satellite System**

- GPS + Galileo + BeiDou

- **Hovering Accuracy Range (windless or breezy)**

- Vertical:
±0.1 m (with vision positioning)
±0.5 m (with GNSS positioning)
Horizontal:
±0.1 m (with vision positioning)
±0.5 m (with GNSS positioning)

- **Internal Storage**

- 2 GB

- **Class**

- C0 (EU), with the option to apply for C1 (EU) in the DJI Fly app.

Camera

- **Image Sensor**

- 1/1.3-inch CMOS, Effective Pixels: 48 MP

- **Lens**

- FOV: 82.1°
Format Equivalent: 24 mm
Aperture: f/1.7
Focus: 1 m to ∞

- **ISO Range**

- Video
Normal and Slow Motion:
100-6400 (Normal)
100-1600 (D-Log M)
100-1600 (HLG)

Night:
100-12800 (Normal)

Photo
12 MP: 100-6400
48 MP: 100-3200

- **Shutter Speed**

- 12MP Photo: 1/16000-2 s (2.5-8 s for simulated long exposure)
48MP Photo: 1/8000-2 s

- **Max Image Size**

- 8064×6048

- **Still Photography Modes**

- Single Shot: 12 MP and 48 MP
Burst Shooting:
12 MP, 3/5/7 frames
48 MP, 3/5 frames
Automatic Exposure Bracketing (AEB):
12 MP, 3/5/7 frames at 0.7 EV step
48 MP, 3/5 frames at 0.7 EV step
Timed:
12 MP, 2/3/5/7/10/15/20/30/60 s
48 MP, 5/7/10/15/20/30/60 s

- **Photo Format**

- JPEG/DNG (RAW)

- **Video Resolution**

- H.264/H.265
4K: 3840×2160@24/25/30/48/50/60/100*fps
FHD: 1920×1080@24/25/30/48/50/60/100*/200*fps
* Recording frame rates. The corresponding video plays as slow-motion video. 4K/100fps and HLG/D-Log M only support H.265 coding.
- **Video Format**
 - MP4 (MPEG-4 AVC/H.264, HEVC/H.265)
- **Max Video Bitrate**
 - H.264/H.265: 150 Mbps
- **Supported File System**
 - exFAT
- **Color Mode and Sampling Method**
 - Normal:
8-bit 4:2:0 (H.264/H.265)
HLG/D-Log M:
10-bit 4:2:0 (H.265)
- **Digital Zoom**
 - 12MP Photo: 1-3x
4K: 1-3x
FHD: 1-4x

Gimbal

- **Stabilization**
 - 3-axis mechanical gimbal (tilt, roll, pan)
- **Mechanical Range**
 - Tilt: -135° to 80°
Roll: -135° to 45°
Pan: -30° to 30°
- **Controllable Range**
 - Tilt: -90° to 60°
Roll: -90° or 0°
- **Max Control Speed (tilt)**
 - 100°/s
- **Angular Vibration Range**
 - ±0.01°

Sensing

- **Sensing Type**
 - Omnidirectional binocular vision system, supplemented with a 3D infrared sensor at the bottom of the aircraft
- **Forward**
 - Measurement Range: 0.5-18 m
Detection Range: 0.5-200 m
Effective Sensing Speed: Flight Speed \leq 12 m/s
FOV: Horizontal 90°, Vertical 72°
- **Backward**
 - Measurement Range: 0.5-15 m
Effective Sensing Speed: Flight Speed \leq 12 m/s
FOV: Horizontal 90°, Vertical 72°
- **Lateral**
 - Measurement Range: 0.5-12 m
Effective Sensing Speed: Flight Speed \leq 12 m/s
FOV: Horizontal 90°, Vertical 72°
- **Upward**
 - Measurement Range: 0.5-15 m
Effective Sensing Speed: Flight Speed \leq 5 m/s
FOV: Front and Back 72°, Left and Right 90°
- **Downward**
 - Measurement Range: 0.3-12 m
Effective Sensing Speed: Flight Speed \leq 5 m/s
FOV: Front and Back 106°, Left and Right 90°
- **Operating Environment**
 - Forward, Backward, Left, Right, and Upward:
Surfaces with discernible patterns and adequate lighting (lux > 15)
 - Downward:
Surfaces with discernible patterns, diffuse reflectivity > 20% (e.g. walls, trees, people), and adequate lighting (lux > 15)
- **3D Infrared Sensor**
 - Measurement Range: 0.1-8 m (reflectivity > 10%)
FOV: Front and Back 60°, Left and Right 60°

Video Transmission

- **Video Transmission System**
 - 04

- **Live View Quality**

- Remote Controller:

Up to 1080p/60fps (available when the aircraft is flying in Photo or Video mode)

Up to 1080p/30fps (available when the aircraft is flying in Video mode)

Up to 1080p/24fps (available when the aircraft is in standby mode on the ground)

- **Operating Frequency**

- 2.4000-2.4835 GHz

5.170-5.250 GHz

5.725-5.850 GHz

5.170-5.250 GHz can be used only in countries and regions where permitted by local laws and regulations.

- **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)

< 30 dBm (SRRC)

< 14 dBm (CE)

- **Max Transmission Distance (unobstructed, free of interference)**

- FCC: 20 km

CE: 10 km

SRRC: 10 km

MIC: 10 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 the DJI Fly app during your flight.

- **Max Transmission Distance (unobstructed, with interference)**

- Strong Interference: urban landscape, approx. 1.5-4 km

Medium Interference: suburban landscape, approx. 4-10 km

Low Interference: suburb/seaside, approx. 10-20 km

Data tested under FCC standard in unobstructed environments with typical

interference. Used for reference purposes only and provides no guarantee for actual transmission distance.

- **Max Transmission Distance (obstructed, with interference)**

- Low Interference and Obstructed by Buildings: approx. 0-0.5 km
Low Interference and Obstructed by Trees: approx. 0.5-3 km
Data tested under FCC standard in obstructed environments with typical low interference. Used for reference purposes only and provides no guarantee for actual transmission distance.

- **Max Download Speed**

- O4:
10 MB/s (with DJI RC-N2)
10 MB/s (with DJI RC 2)
Wi-Fi 5: 30 MB/s*
* Measured in a laboratory environment with little interference in countries/regions that support both 2.4 GHz and 5.8 GHz, with footage saved to the internal storage. Download speeds may vary depending on the actual conditions.

- **Lowest Latency**

- Aircraft + Remote Controller: approx. 120 ms
Depending on the actual environment and mobile device.

- **Antenna**

- 4 antennas, 2T4R

Battery

- **Compatible Battery**

- DJI Mini 4 Pro Intelligent Flight Battery, DJI Mini 3 Series Intelligent Flight Battery Plus*

* The Intelligent Flight Battery Plus is not sold in Europe.

- **Capacity**

- Intelligent Flight Battery: 2590 mAh
Intelligent Flight Battery Plus*: 3850 mAh
* The Intelligent Flight Battery Plus is not sold in Europe.

- **Weight**

- Intelligent Flight Battery: approx. 77.9 g
Intelligent Flight Battery Plus*: approx. 121 g
* The Intelligent Flight Battery Plus is not sold in Europe.

- **Nominal Voltage**

- Intelligent Flight Battery: 7.32 V
Intelligent Flight Battery Plus*: 7.38 V

* The Intelligent Flight Battery Plus is not sold in Europe.

- **Max Charging Voltage**

- Intelligent Flight Battery: 8.6 V
Intelligent Flight Battery Plus*: 8.5 V

* The Intelligent Flight Battery Plus is not sold in Europe.

- **Type**

- Li-ion

- **Energy**

- Intelligent Flight Battery: 18.96 Wh
Intelligent Flight Battery Plus*: 28.4 Wh

* The Intelligent Flight Battery Plus is not sold in Europe.

- **Charging Temperature**

- 5° to 40° C (41° to 104° F)

- **Charging Time**

- Intelligent Flight Battery:
70 minutes (with the DJI 30W USB-C Charger and the battery mounted to the aircraft)
58 minutes (with the DJI 30W USB-C Charger and the battery inserted into the Two-Way Charging Hub)

Intelligent Flight Battery Plus*:

- 101 minutes (with the DJI 30W USB-C Charger and the battery mounted to the aircraft)
78 minutes (with the DJI 30W USB-C Charger and the battery inserted into the Two-Way Charging Hub)

* The Intelligent Flight Battery Plus is not sold in Europe.