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# Mavic 2 & Accessories Announcement

**Dear dealers,**

With pleasure, we are launching Mavic 2 and its accessories. Our dream has always been to make a drone that exists where engineering, technology, and the needs of the aerial photographer converge. A drone that embodies all of DJI's advanced, signature technologies, and is able to redefine what is possible for the world of aerial photography. In creating the Mavic 2, we have made this dream come true.


## Mavic 2 Pro with Hasselblad camera[5]

Made in Sweden, Hasselblad cameras are renowned for their iconic ergonomic design, uncompromising image quality, and Swedish craftsmanship. Since 1941, Hasselblad cameras have captured some of the world's most iconic images – including the first moon landing.
Co-engineered in partnership with Hasselblad after two years of tireless research, the Mavic 2 Pro comes equipped with the all-new Hasselblad L1D-20c camera. The L1D-20c possesses Hasselblad's unique Hasselblad Natural Color Solution (HNCS) technology, helping users to capture gorgeous 20-megapixel aerial shots in stunning color detail.

### 1-inch CMOS Sensor

The brand new 1-inch CMOS sensor has an active sensing area four times more effective than the original Mavic Pro. The large sensor also means better performance in low-light environments with a more extensive ISO range, max ISO lifted from 3200 to 12800.

### 10-bit Dlog-M Color Profile

The Mavic 2 Pro supports a 10-bit Dlog-M color profile that yields higher dynamic range for more flexibility in the grading room. The system records over 1 billion colors (compared to the 16 million colors from traditional 8-bit color coding technologies) and retains more in-depth details in both highlights and shadows. Now you can capture the subtlest gradations at sunset or sunrise, leaving greater space for post-production.

### HDR Video

With 4K 10-bit HDR support, the Mavic 2 Pro can be plugged into a 4K TV with HLG and will immediately play back footage with the right color tones, including brighter highlights and increased contrast that make HDR so appealing.

### Adjustable Aperture

The f/2.8-f/11 adjustable aperture delivers outstanding image quality both in high and low light environments. When shooting in low light, set the aperture to f/2.8 to allow more light in and to capture bright and clear photos. When shooting in well-lit environments, set the aperture to f/11 to lower the shutter speed and make your videos smoother.

## Mavic 2 Zoom

Powered by a 1/2.3 inch 12-megapixel sensor with up to four-times zoom, including a two-times optical zoom (24mm – 48mm), [4] the Mavic 2 Zoom is all about dynamic perspectives. Capture everything from wide angle to mid-range shots for even more creative options.

### More Expressive Mid-Range Shots

Compared to a 24mm wide angle lens, the 48mm telephoto lens compresses your perspective, enhancing the parallax effect for a classic cinematic look. Now a whole new world of aerial photography is open to explore with even more epic, cinematic shots.

### A Worry-Free and Convenient Way to Find a View

When shooting Full HD video, 4 × Lossless Zoom (including 2 × optical zoom) gives you a closer view of far-away subjects, making unique scenes more accessible to capture at a distance, helping you maintain an even safer distance from buildings, vehicles, animals, and people.

### Quick and Accurate Focus

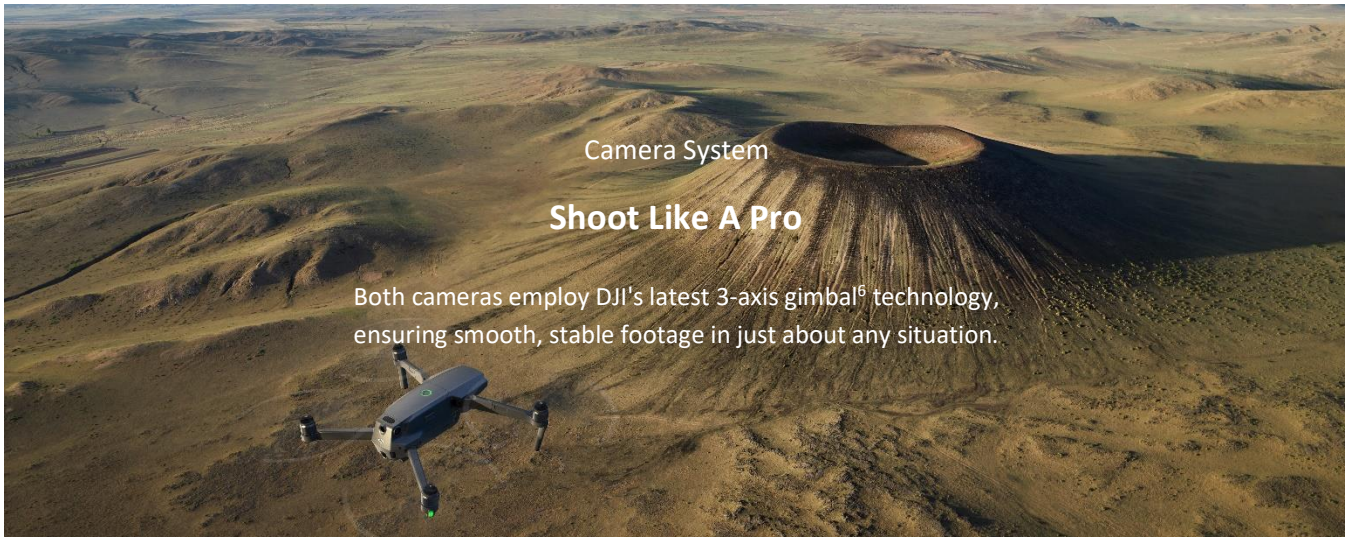
Hybrid auto-focus on the Mavic 2 Zoom combines phase and contrast detection for higher focus accuracy with an increased focus speed of up to 40% than before. The auto-focus-tracking system makes subjects appear clear and sharp when zooming in and out.

### Zoom During Flight

Dolly Zoom[12] is a new QuickShot for the Mavic 2 Zoom, offering an otherworldly perspective in a fully-integrated drone. Dolly Zoom automatically adjusts focus when flying, adding an intense, warping visual effect to your video. When flying manually, you can also set proper focus speed values for even more creative shot options.

### 48-Megapixel Super Resolution Photos

The Mavic 2 Zoom also has a brand new Super Resolution feature. When taking a picture with a 24 mm equivalent field-of-view, the camera will capture and patch nine photos with its telephoto lens, resulting in a 48-megapixel super resolution photo – an asset when capturing the vivid details your landscape photography deserves. Compared to ordinary panoramas, super-resolution photos retain the original look of your subject but with more accurate composition.




## Hyperlapse

Say goodbye to complicated post-processing. With Hyperlapse, the aircraft shoots stable aerial shots and processes them automatically, enabling you to create professional-looking timelapses with a simple tap of a button, which you can share to social media immediately.

Save a flight path in Task Library[7] to fly the Mavic 2 through the path whenever you feel like it. JPEG and RAW photos can be simultaneously saved on a Micro SD card or the internal storage, leaving more room for post editing.


## Enhanced HDR Photos

The Mavic 2 also supports enhanced HDR photos, an improved technique that blends a sequence of photos for ghost-free high dynamic range, offering increased image clarity while avoiding unwanted artificial effects.

## HyperLight

Brighten up your world with HyperLight, a low-light setting designed to enhance your images while reducing noise significantly.

## H.265 Codec for Higher Image Quality

Both editions record 4K video at higher bitrates with advanced H.265 compression[8]. Videos in H.265/HEVC codec maintain 50% more information than videos in H.264/AVC, creating high-quality videos with more preserved details.

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**Soar Above and See More Clearly**

The all-new OcuSync 2.0 provides a 1080p video transmission signal up to an astonishing 8 kilometers away, allowing you to fly further without constraints. Edit and upload Full High Definition (FHD) resolution footage directly to social media from the cache. Original images shot during flight can be automatically saved to your mobile device without the need to download it from the aircraft manually.

**2.4/5.8 GHz Real-Time Auto-Switching**

The Mavic Pro relies on 2.4 GHz transmission; a signal frequency commonly interrupted by multiple wireless devices. However, by supporting auto-switching between both 2.4 and 5.8 GHz bands, the Mavic 2 can always transmit on the clearest signal – crucial for high-interference environments.

**Fast downloading, Low-Latency**

OcuSync 2.0 offers a theoretical download speed of up to of 40 Mbps and latency as low as 120 ms, delivering a smoother video feed and overall better control experience.


**Faster**

72 kph Max Speed[10]

With a redesigned airframe for better performance and aerodynamics, the body drag of the Mavic 2 is 19% less than that of the Mavic Pro when flying at full speed.

**Longer**

Up to 31 Minutes of Flight Time

More flight time allows you to create for longer.

**Quieter**

Low-Noise Design

FOC sinusoidal drive ESCs and low-noise propellers make your flight incredibly quiet, eliminating any worries of disturbing your immediate surroundings.

## Omnidirectional Obstacle Sensing

FlightAutonomy has been upgraded to include Omnidirectional Obstacle Sensing, and for the first time in a DJI drone, obstacle sensors appear on all sides of the aircraft for greater safety during flight.

- *FlightAutonomy only provides a certain amount of protection in specific modes and environments and does not compensate for user judgment during flight. Please be aware of your surroundings and App notifications when operating the Mavic 2 to ensure safety.*

### Forward

Dual vision system.
Precision measurement range of up to 20 meters. Detectable range is 20-40 meters (33% wider than that of the Mavic Pro).
Capable of detecting obstacles and timely stops when flying at speeds of up to 50.4 kph (40% more efficient than the Mavic Pro).

### Backward

Dual vision system.
Precision measurement range of up to 16 meters. Detectable range is 16-32 meters.
Capable of detecting obstacles and timely stops when flying at speeds of up to 43.2 kph.

### Downward

Dual vision system.
Precision measurement range of up to 11 meters. Detectable range is 11-22 meters.
Infrared sensing system.
Precision measurement range of up to 8 meters.
Hovers accurately at 50 meters and lands safely by detecting land.
Additional Bottom Auxiliary Light for low-light conditions, which assists the downward sensors.

### Upward

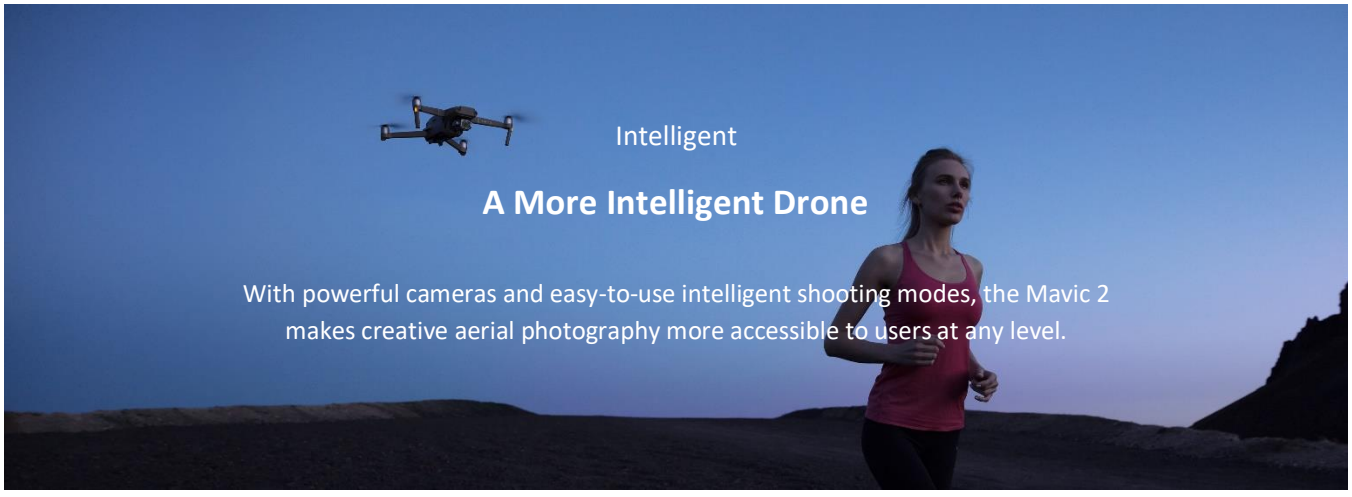
Infrared sensing system.
Precision measurement range of up to 8 meters.

### Left and Right

Single vision system.
Capable of detecting obstacles at speeds of up to 28.8 kph.
Improved flight safety in both ActiveTrack and Tripod modes.

### APAS

Users can fly forward and backward with ease avoiding obstacles in front of and behind a subject. APAS will plan an appropriate flight path to avoid these obstacles automatically in flight.



## ActiveTrack 2.0

With the improvements of both hardware and software, ActiveTrack 2.0 gives you great tracking experience at a whole new level.

### Precise Recognition

Previously, ActiveTrack mainly relied on 2D images from the main camera to track a subject. Now with ActiveTrack 2.0, the Mavic 2 maps a 3-dimensional view of the surrounding environment through the main camera and forward dual vision sensors for greater recognition and accuracy.

### Trajectory Prediction

Trajectory prediction algorithms help to maintain tracking when your subject is blocked by an obstruction temporarily.

### High-speed Tracking

In open and unobstructed environments, the Mavic 2 can track fast moving subjects like cars and boats at speeds of up to 72 kph[11]

### Avoiding Obstacles

When tracking a target, the Mavic 2 can plan a flight path on its 3D map. It will read, recognize, and avoid obstacles in front of and behind the aircraft, all while shooting your target without interruption.

## Panoramas

The Mavic 2 supports four panorama modes including Sphere, 180°, Horizontal, and Vertical.

## Aerial Photography Made Easy

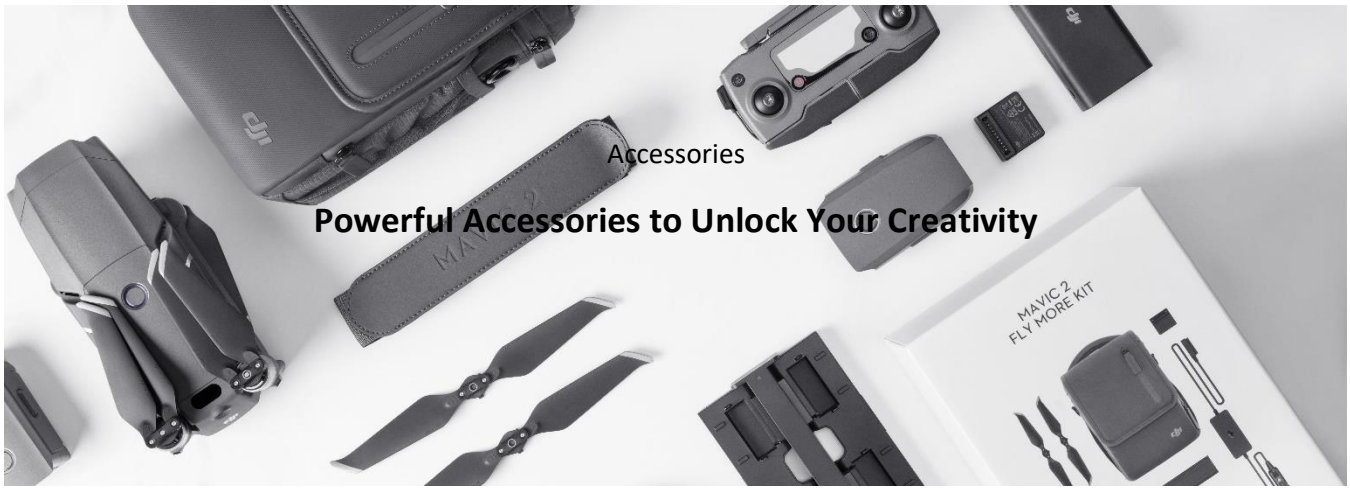
Various intuitive shooting modes are available for more creative shooting options.

### POI 2.0

Thanks to vision based distance measurement, flying to the central point before circling is a thing of the past. POI 2.0 increases workflow efficiency like never before, empowering you to circle and shoot subjects with ease.

### Waypoint 2.0[7]

With Waypoint 2.0, the aircraft no longer needs to fly to an exact shooting spot to mark waypoints. By tapping the desired waypoints and point of interest in the app, you can plan a flight path quickly and save it for your next flight.




## Mavic 2 Fly More Kit

The Mavic 2 Fly More Kit includes two Intelligent Flight Batteries, a Mavic 2 Car Charger, a Battery Charging Hub, and a Battery to Power Bank Adapter, Low-Noise Propellers, and a Mavic 2 Shoulder Bag, providing you with comprehensive support during shooting.

### In the Box

| | | |
|---|---|---|
| Intelligent Flight Batteries × 2 | Battery Charging Hub × 1 | Low-Noise Propellers × 2 Pairs |
| Mavic 2 Car Charger × 1 | Battery to Power Bank Adapter × 1 | Mavic 2 Shoulder Bag × 1 |

## DJI Goggles Series

Via OcuSync, the DJI Goggles series[13] connect with the Mavic 2 wirelessly. Users can now enjoy an enhanced experience with lower latency and a clearer 1080p video transmission range of up to 8 km. In Head Tracking mode, the gimbal (yaw) control range is up to -75° to +75°, offering users a more immersive FPV flight experience.

***Notes:***

*1. Unobstructed, free of interference, when FCC compliant. Maximum flight range specification is a proxy for radio link strength and resilience. Always fly your drone within visual line of sight unless otherwise permitted.*
*2. Acquired at a constant speed of 25 kph, free of wind. Actual flight time may vary because of the environment and use of flight modes.*
*3. Omnidirectional Obstacle Sensing includes left/right, up/down, and forward/backward. Sensing for left/right directions is only available with ActiveTrack and Tripod Mode. Omnidirectional Obstacle Sensing does not cover all 360 degrees of the Mavic 2 aircraft.*
*4. 35 mm equivalent focal length.*
*5. HNCS was developed to offer a single color profile that optimized an image to bring out a wider array of colors and improved contrast, to a multitude of subjects. Standard color profiles often fall short when working with the subtle aspects of natural colors of varying subjects, applying too much or too little of an effect on tones.*
*6. You may change the gimbal camera by buying our aftersales service. The service is not available now. Details will be announced soon.*
*7. Available soon.*
*8. Max bitrate of up to 3840 × 2160/30fps.*
*9. Due to local policies, some countries do not support 5.8 GHz transmission.*
*10. Acquired in Sport mode, free of wind and close to sea level.*
*11. The Mavic 2 cannot sense obstacles during high speed flight (high speed tracking and Sport mode).*
*12. Available on the Mavic 2 Zoom only.*
*13. The DJI Goggles support a 2.4 GHz frequency band only, while the DJI Goggles RE support both 2.4/5.8 GHz frequency bands and real-time auto-switching for better performance. The use of a spotter is essential when wearing DJI Goggles or Goggles RE. The aircraft should not fly beyond the spotter's line of sight.*

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## Mavic 2 Specifications

| Aircraft | | |
|---|---|---|
| | Mavic 2 Pro | Mavic 2 Zoom |
| Takeoff Weight | 907g | 905g |
| Dimensions | Folded: 214×91×84 mm (length×width×height)<br>Unfolded:322×242×84 mm (length×width×height) | |
| Diagonal Distance | 354 mm | |
| Max Ascent Speed | 5 m/s (S-mode)<br>4 m/s (P-mode) | |
| Max Descent Speed | 3 m/s (S-mode)<br>3 m/s (P-mode) | |
| Max Speed<br>(near sea level, no wind) | 72 km/h (S-mode) | |
| Max Service Ceiling<br>Above Sea Level | 6000 m | |
| Max Flight Time<br>(no wind) | 31 minutes (at a consistent 25 kph) | |
| Max Hovering Time<br>(no wind) | 29 minutes | |
| Max Flight Distance<br>(no wind) | 18 km (at a consistent 50 kph) | |
| Max Wind Speed<br>Resistance | 29–38 kph | |
| Max Tilt Angle | 35° (S-mode, with remote controller)<br>25° (P-mode) | |
| Max Angular Velocity | 200°/s | |
| Operating Temperature<br>Range | -10°C - 40°C | |
| Operating Frequency | 2.400 - 2.483 GHz<br>5.725 - 5.850 GHz | |
| Transmission Power<br>(EIRP) | 2.400 - 2.483 GHz<br>FCC：≤26 dBm CE：≤20 dBm SRRC：≤20 dBm MIC：≤20 dBm<br>5.725-5.850 GHz<br>FCC：≤26 dBm CE：≤14 dBm SRRC：≤26 dBm | |
| GNSS | GPS+GLONASS | |
| Hovering Accuracy Range | Vertical:<br>± 0.1 m (when vision positioning is active)<br>± 0.5 m (with GPS positioning)<br>Horizontal:<br>± 0.3 m (when vision positioning is active)<br>± 1.5 m (with GPS positioning) | |
| Internal Storage | 8 GB | |
| Gimbal | | |
| Mechanical Range | Tilt: -135–45°<br>Pan: -100–100° | |
| Controllable Range | Tilt: -90–30°<br>Pan: -75–75° | |

| | | |
|---|---|---|
| Stabilization | 3-axis (tilt, roll, pan) | |
| Max Control Speed (tilt) | 120° /s | |
| Angular Vibration Range | Mavic 2 Pro ±0.01° | Mavic 2 Zoom ±0.05° |
| Sensing System | | |
| Sensing System | Forward, Backward and Sides:<br>Surface with clear pattern and adequate lighting (lux > 15)<br><br>Upward:<br>Detects diffuse reflective surfaces (>20%) (walls, trees, people, etc.)<br><br>Downward:<br>Surface with clear pattern and adequate lighting (lux > 15)<br>Detects diffuse reflective surfaces (>20%) (walls, trees, people, etc.) | |
| Forward | Precision Measurement Range:0.5 – 20 m<br>Detectable Range: 20 – 40 m<br>Effective Sensing Speed: ≤ 14m/s<br>FOV: Horizontal: 40°, Vertical: 70° | |
| Backward | Precision Measurement Range:0.5 – 16 m<br>Detectable Range: 16 – 32 m<br>Effective Sensing Speed: ≤ 12m/s<br>FOV: Horizontal: 60°, Vertical: 77° | |
| Upward | Precision Measurement Range:0.1 – 8 m | |
| Downward | Precision Measurement Range:0.5 – 11 m<br>Detectable Range: 11 – 22 m | |
| Sides | Precision Measurement Range:0.5 – 10 m<br>Effective Sensing Speed: ≤ 8m/s<br>FOV: Horizontal: 80°, Vertical: 65° | |
| Camera | | |
| | Mavic 2 Pro | Mavic 2 Zoom |
| Sensor | 1” CMOS<br>Effective Pixels: 20 million | 1/2.3” CMOS<br>Effective Pixels: 12 million |
| Lens | FOV: about 77°<br>35 mm Format Equivalent: 28 mm<br>Aperture: f/2.8–f/11<br>Shooting Range: 1 m to ∞ | FOV: about 83° (24 mm); about 48° (48 mm)<br>35 mm Format Equivalent: 24-48 mm<br>Aperture: f/2.8 (24 mm)–f/3.8(48 mm)<br>Shooting Range: 0.5 m to ∞ |
| ISO Range | Video:<br>100-6400<br>Photo:<br>100-3200 (auto)<br>100-12800 (manual) | Video:<br>100-3200<br>Photo:<br>100-1600 (auto)<br>100-3200 (manual) |
| Still Image Size | 5472×3648 | 4000×3000 |
| Color Mode | Dlog-M (10bit), support HDR video (HLG 10bit) | D-Cinelike |
| Still Photography Modes | Single shot<br>Burst shooting: 3/5 frames | Single shot<br>Burst shooting: 3/5/7 frames |

| | | |
|---|---|---|
| | Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias<br>Interval (JPEG: 2/3/5/7/10/15/20/30/60s<br>RAW:5/7/10/15/20/30/60s) | Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7 EV Bias<br>Interval (JPEG: 2/3/5/7/10/15/20/30/60s<br>RAW:5/7/10/15/20/30/60s) |
| Color Mode | Dlog-M (10bit), support HDR video (HLG 10bit) | D-Cinelike |
| Video Resolution | 4K: 3840×2160 24/25/30p<br>2.7K: 2688x1512 24/25/30/48/50/60p<br>FHD: 1920×1080 24/25/30/48/50/60/120p | |
| Max Video Bitrate | 100 Mbps | |
| Supported File System | FAT32（⩽ 32 GB）<br>exFAT（> 32 GB） | |
| Photo Format | JPEG / DNG (RAW) | |
| Video Format | MP4 / MOV (MPEG-4 AVC/H.264, HEVC/H.265) | |
| Remote Controller | | |
| Operating Frequency | 2.400 - 2.483 GHz; 5.725 - 5.850 GHz | |
| Max Transmission Distance (unobstructed, free of interference) | 2.400 - 2.483 GHz; 5.725 - 5.850 GHz<br>FCC: 8000 m CE: 5000 m SRRC: 5000 mMIC: 5000 m | |
| Operating Temperature Range | 0℃ - 40℃ | |
| Transmission Power (EIRP) | 2.400 - 2.483 GHz<br>FCC：≤26 dBm CE：≤20 dBm SRRC：≤20 dBmMIC：≤20 dBm<br>5.725-5.850 GHz<br>FCC：≤26 dBm CE：≤14 dBm SRRC：≤26 dBm | |
| Battery | 3950 mAh | |
| Operating Current/Voltage | 1800 mA ⎓ 3.83 V | |
| Supported Mobile Device Size | Max length: 160 mm; max thickness: 6.5–8.5 mm | |
| Supported USB Port Types | Lightning， Micro USB（Type-B），USB-C | |
| Charger | | |
| Input | 100-240 V，50/60 Hz，1.8A | |
| Output | Main: 17.6 V ⎓ 3.41 A or 17.0 V ⎓ 3.53 A<br>USB: 5 V⎓2 A | |
| Voltage | 17.6 ± 0.1 V | |
| Rated Power | 60 W | |
| Intelligent Battery | | |
| Capacity | 3850 mAh | |
| Voltage | 15.4 V | |
| Max Charging Voltage | 17.6 V | |

| | |
|---|---|
| Battery Type | LiPo 4S |
| Energy | 59.29 Wh |
| Net Weight | 297 g |
| Charging Temperature Range | 5℃ - 40℃ |
| Max Charging Power | 80 W |
| APP | |
| Video Transmission System | OcuSync 2.0 |
| Name | DJI GO 4 |
| Live View Quality | Remote Controller:<br>720p@30fps / 1080p@30fps<br>DJI Goggles:<br>720p@30fps / 1080p@30fps<br>DJI Goggles RE:<br>720p@30fps / 1080p@30fps |
| Latency (depending on environmental conditions and mobile device) | 120 - 130 ms |
| Max Live View Bitrate | 40Mbps |
| Required Operating System | iOS 9.0 or later<br>Android 4.4 or later |
| Supported SD Card | |
| Supported SD Cards | Micro SD™<br>Supporting Micro SD with capacity up to 128 GB and R/W speed up to UHS-I Speed Grade 3 |