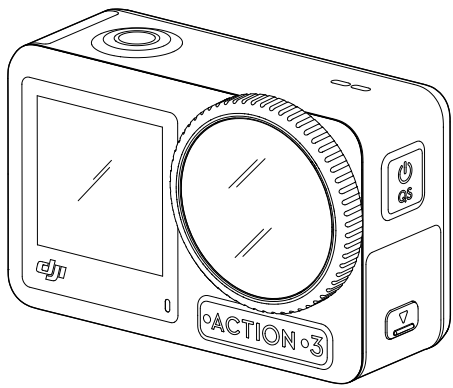
OSMO ACTION 3

User Manual

v1.2 2022.11



Searching for Keywords

Search for keywords such as “battery” and “install” to find a topic. If you are using Adobe Acrobat Reader to read this document, press Ctrl+F on Windows or Command+F on Mac to begin a search.

Navigating to a Topic

View a complete list of topics in the table of contents. Click on a topic to navigate to that section.

Printing this Document

This document supports high resolution printing.

Using this Manual

Legend

⚠ Important Hints and Tips

Read Before First Use

Read the following documents before using DJI™ OSMO™ Action 3.

Osmo Action 3 Quick Start Guide
Osmo Action 3 User Manual
Osmo Action 3 Safety Guidelines

It is recommended to watch all the tutorial videos on the official website (www.dji.com/action-3) or in the DJI Mimo app and read the safety guidelines before using for the first time. Make sure to review the quick start guide before using for the first time and refer to this user manual for more information.

Download DJI Mimo App and Watch the Tutorial Videos



https://s.dji.com/guide35

Available on the iPhone App Store
iOS 12.0 or above

Download for Android
Android 8.0 or above

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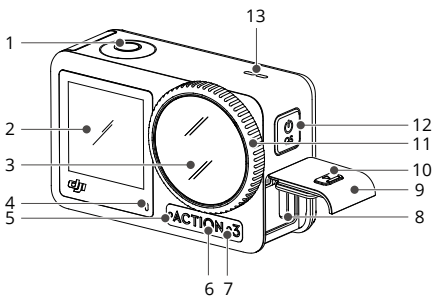
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Introduction

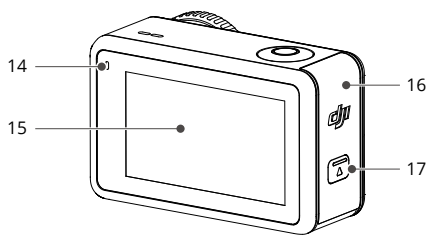
Osmo Action 3 is capable of shooting sharp 12MP photos and capturing smooth video at up to 4K/120fps. With DJI's latest EIS (Electronic Image Stabilization) technology, Osmo Action 3 can record super smooth footage for various sports scenes. Osmo Action 3 is equipped with dual touchscreens. The front touchscreen helps capture the perfect selfie, while the rear touchscreen displays the live view of the camera. Both touchscreens enable users to change the settings with fingertip movements. The buttons on the camera enable users to control recording or switch the shooting mode. Osmo Action 3 is waterproof at depths of up to 16 m. With different Osmo accessories, users can enjoy the full range of Osmo Action 3 features.

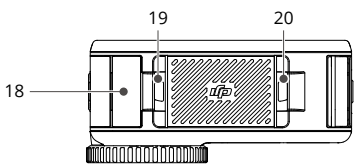
Overview



1. Shutter/Record Button
2. Front Touchscreen
3. Lens
4. Status LED I
5. Microphone I
6. Color Temperature Photo Sensor
7. Microphone II
8. USB-C Port
9. USB-C Port Cover
10. USB-C Port Cover Release Button
11. Lens Protective Cover
12. Quick Switch Button

13. Speaker
14. Status LED II
15. Rear Touchscreen
16. Battery Compartment Cover
17. Battery Compartment Cover Release Button





18. Windproof Microphone
19. Quick-Release Slot I
20. Quick-Release Slot II

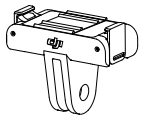
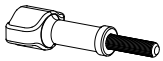
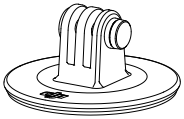
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Accessories

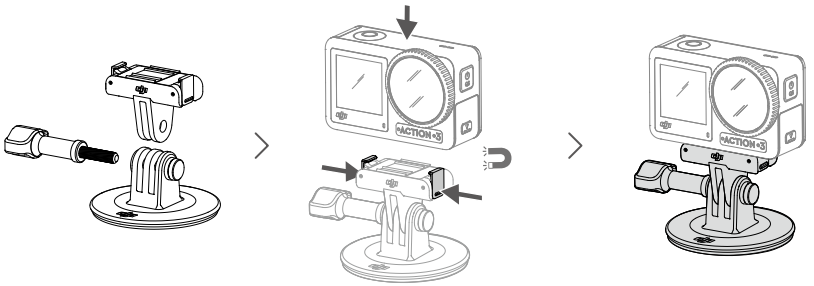
Osmo Action 3 is compatible with various accessories to flexibly change the position to shoot various sports scenes.

Osmo Action 3 Adhesive Base Kit

The Osmo Action 3 Adhesive Base Kit includes the following accessories.

Accessory	Description
	Osmo Action 3 Quick-Release Adapter Mount: With a magnetic design, the quick-release adapter mount can be easily attached to the camera and connected to the other accessories.
	Osmo Locking Screw: Secures the Osmo Action 3 Quick-Release Adapter Mount to the Osmo Flat Adhesive Base.
	Osmo Flat Adhesive Base: The base forms a strong, durable, and long-lasting bond on clean and flat surfaces, ensuring secure mounting.

Press down on the camera until the clips of the quick-release adapter mount are firmly inserted into the quick-release slots on the camera, and then tighten the locking screws. Wipe the surface of the object before attaching the adhesive base. Attach and press the adhesive base down firmly, and hold for at least 10 seconds. It is recommended to wait 30 minutes before attaching the camera.

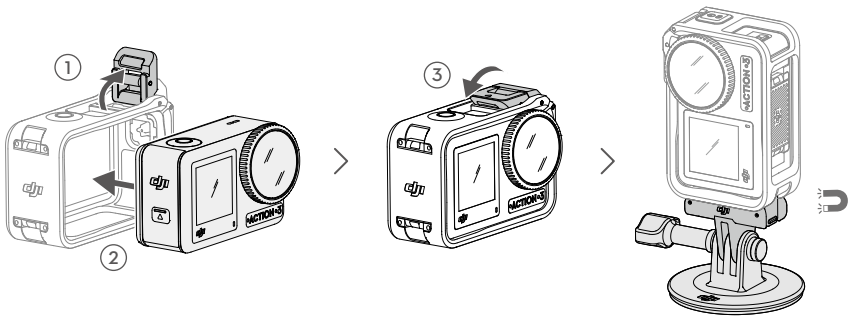


- Make sure that the clips of the quick-release adapter mount are firmly inserted into the quick-release slots on the camera before use. Press both clips of the quick-release adapter mount when removing the camera.
- DO NOT attach the adhesive base to surfaces that are arched, curved, rough, powdered, peeling, covered in dust or sand, or have oil, wax, or water stains. Otherwise, the adapter mount may not be attached firmly.
- The recommended application temperature for the base is -10° to 40° C (14° to 104° F). DO NOT attach the adhesive base to a surface with a higher or lower temperature.

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Osmo Action 3 Horizontal-Vertical Protective Frame

With the Osmo Action 3 Horizontal-Vertical Protective Frame, users can flip the camera from the horizontal to the vertical position for different shooting angles. As shown in the figure below, open the buckle of the horizontal-vertical protective frame, align and put the camera into the frame, then close the buckle. The left side of the frame is equipped with two quick-release slots, which can be used with the Osmo Action 3 Quick-Release Adapter Mount to fasten other accessories such as the Osmo Action 3 Adhesive Base Kit and the Osmo 1.5m Extension Rod.



Osmo Action 3 Rubber Lens Protector

Recording videos of high specifications for an extended time may cause the Osmo Action 3 lens protective cover to heat up. Install the rubber lens protector to prevent overheating.

- The rubber lens protector is made of rubber, where any damaged areas may result in cracking.
- The rubber lens protector may stretch or break if subjected to excessive force.
- DO NOT store the rubber lens protector in locations exposed to direct sunlight, high temperatures, or humidity.

Osmo Action 3 Extreme Battery

The Osmo Action 3 Extreme Battery boosts Osmo Action 3 performance across a wide temperature range from -20° to 45° C (-4° F to 113° F). With a 1770mAh capacity, the battery can continuously work for up to 160 minutes*. Refer to "Battery Usage Notes" for more detailed information on battery usage.

* Tested in a 25° C (77° F) laboratory environment while recording 1080p/30fps videos with EIS disabled and the screen off. For reference only.

Osmo Action 3 Multifunctional Battery Case

The Osmo Action 3 Multifunctional Battery Case (hereinafter referred to as "the battery case") is designed for storing two microSD cards and three Osmo Action 3 Extreme

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Batteries safely. Users can check the battery levels by pressing the button once or opening the battery case. The status LEDs will display the battery level. When a charger is connected to the battery case with batteries inserted, the battery case will charge the batteries. When the batteries are inserted into the battery case, with external devices connected to the USB-C port, the batteries can be used as a power bank to charge the connected external devices.

The batteries with the highest power level will be charged first, followed by the remaining batteries to be charged in sequence. The batteries with the lowest power level will be discharged first, followed by the remaining batteries to be discharged in sequence.

When using the battery case to charge the Osmo Action 3 Extreme Battery, it is recommended to use the DJI 30 W USB-C Charger (not included as standard) or a USB-C charger that supports Power Delivery or PPS (Programmable Power Delivery). Three batteries can be fully charged in about two hours with the DJI 30 W USB-C Charger.

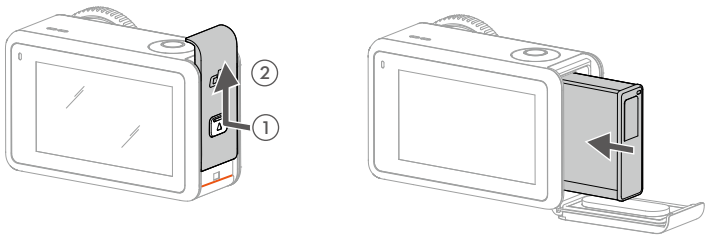
⚠
- DO NOT use the battery case to charge a non-DJI OSMO battery. DJI OSMO shall not be responsible for any fault or damage caused by the use of any non-DJI OSMO battery.
- Place the battery case on a flat and stable surface when in use. Ensure the device is properly insulated to prevent fire hazards.
- DO NOT attempt to touch the metal terminals on the battery case.
- Clean the metal terminals on the battery case with a clean, dry cloth if there is any noticeable buildup.
- The battery case is not waterproof. DO NOT place it in water or spill any liquid on the case.

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Using for the First Time

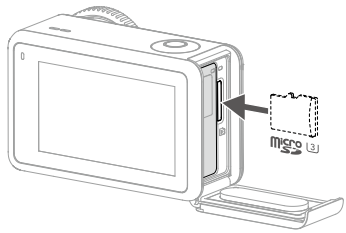
Inserting the Battery

Press the release button on the battery compartment cover and slide upward, then insert the battery into the battery compartment, as shown below. Make sure the battery is properly inserted, then close the battery compartment cover. Note: if the battery cover is properly mounted, the orange marks on its bottom will not be visible.



Inserting the microSD Card

The footage shot on Osmo Action 3 is stored on a microSD card. A UHS-I Speed Grade 3 rating microSD card is required due to the fast read and write speeds necessary for high-resolution video data. Refer to the recommended microSD card list in "Specifications" for more information. Insert the microSD card into the microSD card slot as shown.



Gently push the microSD card into the camera to partially eject the microSD card.

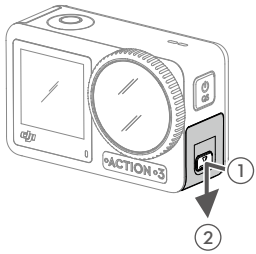
Charging Osmo Action 3

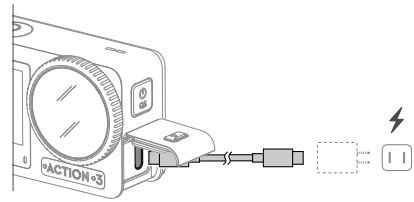
Press the release button on the USB-C port cover and slide the cover down.

Connect a USB-C charger (not included) to the USB-C port using the Type-C to Type-C PD cable (included). It is recommended to use the DJI 30 W USB-C Charger or a USB-C charger that supports Power Delivery or PPS (Programmable Power Supply). When powered off, the status LEDs blink green while charging. When the status LEDs turn off, the battery is fully charged. It takes about 18 minutes to charge the battery to 80%. The battery can be fully charged in about 49 minutes*.

* Charging time was tested using a DJI 30 W USB-C Charger in a 25° C (77° F) environment. For reference only.

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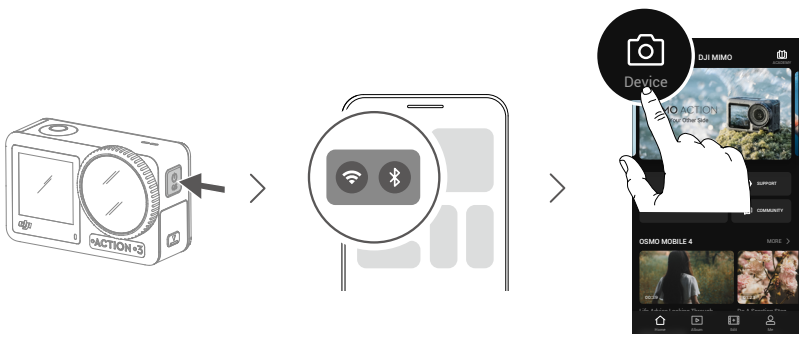




Activating Osmo Action 3

The DJI Mimo app is required for activation when using Osmo Action 3 for the first time. Follow the steps below to activate.

1. Press and hold the Quick Switch Button to power on.
2. Enable Wi-Fi and Bluetooth on the mobile device.
3. Launch DJI Mimo, tap , and follow the instructions to activate Osmo Action 3.

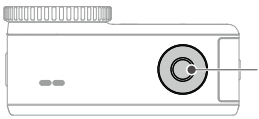


Refer to the relevant sections on "DJI Mimo App" for more detailed information on how to operate the app.

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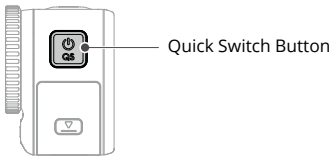
Operation

Button Features



Shutter/Record Button

- Press once: Take a photo or start/stop recording
- SnapShot: Press and hold to quickly power on and begin shooting. The shooting mode will depend on the SnapShot settings.

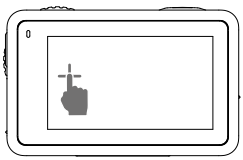


Quick Switch Button

- Press and hold: Power on or off
- Press once: Switch between shooting modes

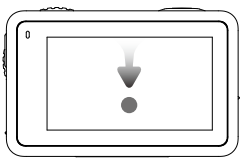
Operating the Touchscreen

After the camera is powered on, both touchscreens of the camera display the live view as well as the shooting mode, battery level, and microSD card information. Tap or swipe on a touchscreen to interact with the camera. Note: the two touchscreens cannot be operated at the same time. When one touchscreen is operated, the other touchscreen is locked.



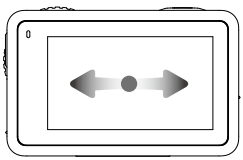
Tap

Select the icons on both sides of the screen to playback shot footage and change the camera settings.



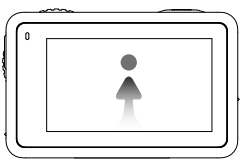
Swipe Down from the Edge of the Screen

Enters the Control Menu.



Swipe Left or Right

Switches between video, photo, and other shooting modes.

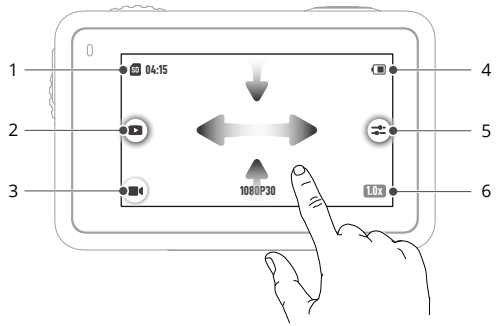


Swipe Up from the Edge of the Screen

To set shooting parameters such as aspect ratio, countdown time, and resolution.

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Camera View



1. **Storage Capacity Information**

   SD 04:15 : The icon displays either the remaining number of photos or the video duration that can be taken or recorded according to the current shooting mode. The icon is displayed only when a microSD card is inserted.

2. **Playback**

   : Tap to preview the last photo or video captured or played back. Swipe to the left from the right edge of the screen to go back to live view.

3. **Shooting Modes**

   : Tap the icon and swipe to select the shooting mode.

Shooting Modes	Description
Photo	Take a photo or countdown photo.
Video	Record a video.
HDR Video	Record a HDR Video. Use HDR Video to record videos in an environment with extensive lighting contrast, extending dynamic range and displaying more highlight and shadow details.
Slow Motion	Supports 4x or 8x slow-motion video shooting. In Slow Motion mode, the camera records the video with a high frame rate and slows the footage down to 4x or 8x the normal speed during the playback. Slow Motion catches details not visible to the naked eye, which is ideal for fast-action shots. Note: audio will not be recorded when Slow Motion is in use.
Timelapse	Select from Hyperlapse and Timelapse. In this mode, the camera turns long events into short videos by taking a frame of video at set intervals. Use Hyperlapse to record smooth timelapse videos when the camera is in motion (such as in a car or when hand-held). Use Timelapse to record timelapse videos when the camera is mounted and still. Three presets in Timelapse are designed for typical scenes such as Crowds, Clouds, and Sunset. Users can also optimize the interval and duration for recording timelapse videos.

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4. **Battery Level**

: This icon displays the current battery level of Osmo Action 3. Tap the icon to view more detailed information about the battery level.

5. **Parameters**

: Click to adjust the image and audio parameters. Tap PRO to adjust pro parameters. Various parameters can be set in different shooting modes.

Shooting Modes	Parameters
Photo	**Basic Mode:** The FOV can be set to Standard (Dewarp) or Wide. **PRO Mode:** More settings are available once PRO is enabled, including Exposure, FOV, White Balance, and Format.
Video	**Basic Mode:** The FOV and EIS Priority in Low Light can be set. 1. FOV: The FOV can be set to Narrow, Standard (Dewarp), Wide, or Ultra Wide. Some FOV options are unavailable when using certain frame rates. 2. EIS Priority in Low Light: Enabling EIS Priority in Low Light will remove motion blur. Image sharpness may be affected when ambient light is too low. **PRO Mode:** Image and audio parameters can be adjusted. Image Parameters: Exposure, White Balance, Color, and FOV are available. • Exposure: Auto and Manual modes are available. • White Balance: Auto and Manual modes are available. • Color: Normal and D-Cinelike are available. It is designed for capturing a wide dynamic range from the sensor, and colors are distributed evenly, so the dark part of a picture is greatly improved. It is not a real LUT but a lower-contrast video with a flat color profile, ideal for post-processing options. • FOV: The FOV can be set to Narrow, Standard (Dewarp), Wide, or Ultra Wide. Some FOV options are unavailable when using certain frame rates. • Enhanced Image Quality: Enable when recording videos in an environment with extensive lighting contrast. When enabled, the camera will record more highlight and shadow details. Note: enabling Enhanced Image Quality will increase power consumption. Audio Parameters: Channel, Wind Noise Reduction, and Directional Audio are available. • Channel: Select from Stereo or Mono. • Wind Noise Reduction: When enabled, the camera will reduce the wind noise picked up by the built-in microphone. Note: Wind Noise Reduction does not work when connected to the external microphone.

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	• Directional Audio: If Front is selected, the built-in microphone will enhance the reception of the sound in front of the camera. • Gain: When a microphone is connected, the input gain of the microphone can be adjusted.
HDR Video	**Basic Mode:** The FOV can be set. FOV: The FOV can be set to Narrow, Standard (Dewarp), Wide, or Ultra Wide. Some FOV options are unavailable when using certain frame rates. **PRO Mode:** Image and audio parameters can be adjusted. Image Parameters: More settings are available once PRO is enabled, including Exposure, FOV, and White Balance. • Exposure: The default setting is Auto. Users can adjust the EV manually. • White Balance: Exposure: Auto and Manual modes are available. • FOV: The FOV can be set to Standard (Dewarp), Wide, or Ultra Wide. Some FOV options are unavailable when using certain frame rates. Audio Parameters: Channel, Wind Noise Reduction, and Directional Audio are available. • Channel: Select from Stereo or Mono. • Wind Noise Reduction: When enabled, the camera will reduce the wind noise picked up by the built-in microphone. Note: Wind Noise Reduction does not work when connected to the external microphone. • Directional Audio: If Front is selected, the built-in microphone will enhance the reception of the sound in front of the camera. • Gain: When a microphone is connected, the input gain of the microphone can be adjusted.
Slow Motion	**Basic Mode:** The FOV can be set to Standard (Dewarp) or Wide. **PRO Mode:** More settings are available once PRO is enabled, including Exposure, White Balance, Color, and FOV.

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Timelapse	**Hyperlapse** **Basic Mode:** The FOV and EIS Priority in Low Light can be set. **PRO Mode:** More settings are available once PRO is enabled, including Exposure, White Balance, Color, and FOV. **Timelapse** **Basic Mode:** The FOV can be set to Standard (Dewarp) or Wide. **PRO Mode:** More settings are available once PRO is enabled, including Exposure, FOV, White Balance, and Format.

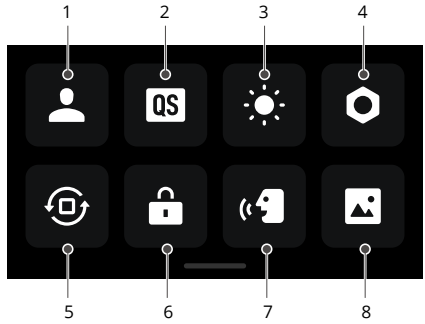
6. Zoom

1.0x : Press and hold the icon, then drag to set the zoom ratio.

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Swipe Down - Control Menu

Swipe down from the edge of the screen to enter the Control Menu.



1. **Custom Mode**

   Tap and tap to save the current configuration as a custom mode. Save the shooting parameters in the custom mode, which can then be used directly to shoot similar scenes. Users can save up to five custom modes.

2. **Quick Switch**

   Set the modes accessible with the Quick Switch Button: Screen Switch, Custom Modes, Photo, Video, HDR Video, Slow Motion, Timelapse, Hyperlapse, and Playback.

3. **Brightness**

   Tap and move the slider to adjust the brightness.

4. **Settings**

Item	Description
SnapShot	When Osmo Action 3 is powered off or in sleep mode, use SnapShot to quickly power on and begin shooting. Supported shooting modes include Video, HDR Video, and Hyperlapse. After shooting, the camera will automatically power off if left idle for three seconds.
Single Screen Preview (Scrn Off When Locked)	When enabled, only one touchscreen will turn on. Tap and swipe up on the touchscreen to unlock the screen.
Voice Control	Tap to enable voice control to use the camera with voice commands. Mandarin Chinese and English are supported. Voice commands in English include Start Recording, Stop Recording, Take Photo, and Shut Down.

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Scuba Diving Mode (>=14 m)	Tap to enable scuba diving mode. In scuba diving mode, the Shutter/Record Button can only be used to take photos or start recording. Press the Quick Switch button to start or stop recording. Note: scuba diving mode is automatically enabled when the camera is more than 14 m underwater. Once enabled, the Shutter/Record Button will be locked. Press the Quick Switch button to start or stop recording. Press the Quick Switch Button five times to disable scuba diving mode.
OTG Connection	Tap OTG Connection and connect the camera to the Android device with the Type-C to Type-C PD cable (included). With OTG connection, The files can be transferred from the camera to the Android device. Note: OTG Connection is only available when the Android device supports OTG connection.
Wireless Connection	Tap to check wireless information, select Wi-Fi frequency, and reset Wi-Fi connection. Connect the camera to DJI Mimo wirelessly to update the firmware.
Video Compression	Tap to switch the video-encoding format between Compatibility and Efficiency modes. If Compatibility is selected, videos will be encoded in H.264 with higher compatibility. If Efficiency is selected, videos will be encoded in HEVC with a smaller file size. Only Efficiency videos are available in the following settings: 1. HDR mode 2. Video: D-Cinelike 10bit color profile. 3. Video: 4K (4:3) and supported fps 4. Video: 4K (16:9) 120/100fps or 1080p 240fps 5. Slow-Mo: 4K 4x or 1080p 8x.
Sound	Tap to set volume. High, medium, low, and mute are available.
Grid	Tap to display grid lines in live view photos or videos to help level the camera vertically and horizontally. The display options include Grid, Diagonals, and Grid + Diagonals.
Timecode	Tap to set Timecode for the camera. When setting Timecode, the camera can be synchronized by the system settings. Also, the camera can be synchronized by the time code synchronizer using the USB-C port. Note: the camera cannot be synchronized by the time code synchronizer when recording HDR videos.
Anti-flicker	Tap to select the anti-flicker frequency to reduce flicker caused by fluorescent lights or a TV screen when shooting indoors. Select the anti-flicker frequency according to the power grid frequency in the region.The default anti-flicker frequency is set as 50Hz.
Naming Management	Tap to edit the naming rules for storage folders and files.
Scrn Off When Rec	Tap to set the time. After recording starts, the screen will turn off after the set time. This will not affect the recording.
Auto Power Off	Tap to set the time. The camera will power off automatically when there is no operation on camera within the set duration.

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LEDs	Turn the two status LEDs on Osmo Action 3 on or off.
Horizon Calibration	Tap to calibrate the horizon according to the prompts on the screen.
Continue Last Livestream	Tap to enable, so the camera can continue the last livestream after it has stopped. Note: Livestream is only available on DJI Mimo.
Language	Tap to set the language to English, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, German, Spanish, French, Italian, Russian, Brazilian Portuguese, Turkish, Indonesian, or Polish.
Date and Time	Tap to set the date and time of the camera system.
Format	Tap and swipe to format the microSD card. Formatting will permanently delete all data on the microSD card. Make sure to back up all required data before formatting.
Factory Reset	Tap to restore the camera to its original factory settings. This will delete all the current settings, and the camera will be restored to the original factory settings and restart.
Device Info	Tap to view the device name, serial number, firmware version, quick start guide, and export the log. Tap Export Log to export the log to the microSD card.
Compliance Info	Tap to view the compliance information.

5. **Orientation Lock**

   Tap to switch between automatic orientation and locked orientation.

6. **Screen Lock**

   Tap to lock the screen. Swipe up on the touchscreen to unlock the screen.

7. **Voice Control**

   Tap to enable voice control so the user can control the camera with set voice commands.

8. **Full Front Screen**

   Tap to enable or disable full screen display on the front screen.

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Swipe Up - Parameters Settings

Swipe up from the edge of the screen to set the parameters for each shooting mode.

Shooting Modes	Settings
Photo	Set photo ratio and countdown timer.
Video	Set video resolution and frame rate. Tap the upper left corner to set the duration of the loop recording. In loop recording mode, the camera records video by overwriting older footage with new footage at selected intervals. Use loop recording when trying to capture a spontaneous moment (e.g., during fishing). This allows the camera to keep recording while saving space on the microSD card. Tap on the upper right corner to turn off EIS and enable RockSteady, RockSteady+, HorizonBalancing, or HorizonSteady. For different resolutions and frame rates, certain EIS modes can only be selected.
HDR Video	Set HDR video resolution and frame rate. Tap the upper left corner to set the duration of the loop recording. In loop recording mode, the camera records a video by overwriting older footage with new footage at selected intervals. Use loop recording when trying to capture a spontaneous moment (e.g., during fishing). This allows the camera to keep recording while saving space on the microSD card. Tap on the upper right corner to turn off EIS and enable RockSteady, RockSteady+, HorizonBalancing, or HorizonSteady. For different resolutions and frame rates, certain EIS modes can only be selected.
Slow Motion	Set the video resolution and speed ratio.
Timelapse	Select Hyperlapse or Timelapse mode. The speed ratio can be set in Hyperlapse mode. The scene, interval time, and shooting time can be set in Timelapse mode. Tap the upper right corner to set the resolution for Timelapse mode.

Storing Photos and Videos

The footage shot on Osmo Action 3 can only be stored on a microSD card (not included). A UHS-I Speed Grade 3 rating microSD card is required due to the fast read and write speeds necessary for high-resolution video data. The photos and videos can be transferred to a phone or computer. Refer to “Transferring Files” for detailed information.

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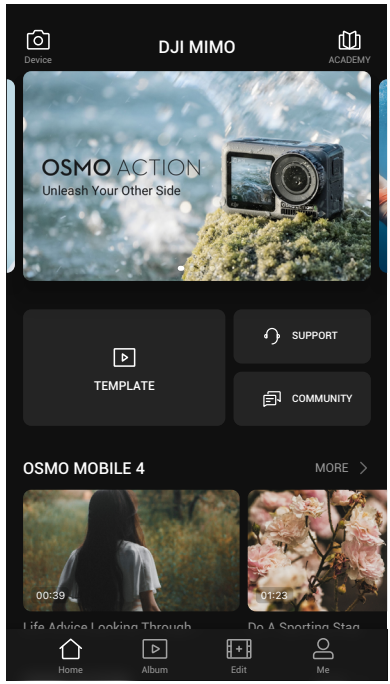
Status LED Descriptions

Osmo Action 3 has two status LEDs which indicate the same status information. They can be turned on and off.

Blinking Pattern	Description
Solid green	Ready to use
Temporarily off	Taking a photo
Blinks green	Osmo Action 3 is charging when powered off
Blinks red and green alternately	Updating firmware
Blinks red slowly	Recording a video
Blinks red three times rapidly	Powers off the camera or powers on the camera at low battery level
Off	microSD card abnormality (no microSD card detected, microSD card storage is full, or microSD card error.)

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DJI Mimo App



Device: Tap to connect to Osmo Action 3. Once connected, DJI Mimo enters the camera view.

Academy: Tap to watch tutorials and view manuals.

AI Editor: Provides several templates for editing photos or videos.

Home: Tap to return to the home screen.

Album: Manage and view footage from a phone or DJI device.

Editor: Tap to edit photos or videos on Osmo Action 3 or import them to and edit on a mobile device.

Profile: Register or log in to a DJI account. View works and settings, check likes and followers, send messages to other users, or connect with the DJI Store.

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Connecting to the DJI Mimo App

1. Power on Osmo Action 3.
2. Enable Wi-Fi and Bluetooth on the mobile device.
3. Launch DJI Mimo, tap , and follow the instructions to connect Osmo Action 3.

When having problems connecting to DJI Mimo, follow the steps below.

1. Make sure that both Wi-Fi and Bluetooth are enabled on the mobile device.
2. Make sure the DJI Mimo app is the latest version.
3. Swipe down from the edge of the screen to enter the Control Menu, select Wireless Connection > Reset Connection. The camera will reset all connections and Wi-Fi passwords.

Camera View



The camera view display may differ depending on the shooting mode. This display is for reference only.

1. **Home**

   : tap to return to the home screen.

2. **Wi-Fi**

   : displays Wi-Fi connection.

3. **Battery Level**

   99% : Displays the current battery level of Osmo Action 3.

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4. **microSD Card Information:**

   SD 59:59 : displays either the remaining number of photos that can be taken or the video duration that can be recorded according to the current shooting mode.

5. **Custom Mode**

   : Tap the icon to save the current configuration as a custom mode. Save the shooting parameters in the custom mode, which can then be used directly to shoot similar scenes. Users can save up to five custom modes.

6. **Shutter/Record Button**

   : tap to take a photo or to start or stop recording a video.

7. **Shooting Modes**

   Scroll to select the shooting mode.

Shooting Modes	Description
Hyperlapse	Use Hyperlapse to record smooth timelapse videos when the camera is in motion (such as in a car or when hand-held). Tap Playback to preview timelapse videos as soon as they are captured.
Timelapse	Use Timelapse to record timelapse videos when the camera is mounted and still. Three presets in Timelapse are designed for typical scenes such as Crowds, Clouds, and Sunset. Users can also optimize the interval and duration for recording timelapse videos.
Slow Motion	Supports 4x and 8x slow-motion video shooting. In Slow Motion mode, the camera records the video with a high frame rate and slows the footage down to 4x or 8x the normal speed during the playback. Slow Motion catches details not visible to the naked eye, which is ideal for fast-action shots. Audio will not be recorded when Slow Motion is in use.
HDR Video	Record a HDR Video. Use HDR Video to record videos in an environment with extensive lighting contrast, extending dynamic range and displaying more highlight and shadow details.
Video	Record a video.
Photo	Take a photo or countdown photo.
Live Stream	Osmo Action 3 supports live broadcasting to livestream platforms such as YouTube and Facebook.

8. **Playback**

   : tap to preview photos and videos as soon as they are captured.

9. **Settings**

   ••• : Set the selected shooting mode as Basic or Pro mode. More settings become available once Pro is enabled, including FOV, Format, Exposure and White Balance. Various parameters can be set when using different shooting modes.

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10. Shooting Parameters

1080 30 : Displays the parameters of the current shooting mode. Tap to set the parameters.

11. Zoom

1.0x : Displays the current zoom ratio. Place two fingers on the screen and move them apart to zoom in or pinch them to zoom out.

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Transferring Files

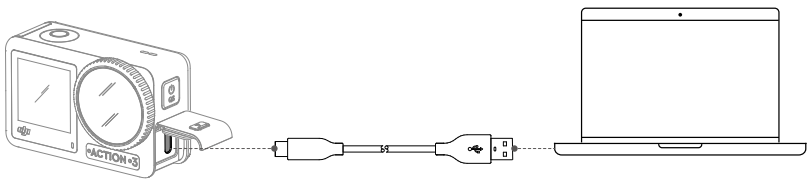
Transferring Files to a Phone

Connect Osmo Action 3 to DJI Mimo, tap the Playback icon to preview photos and videos. Click ⭳ to download photos and videos. The photos and videos can be shared directly from DJI Mimo to social media platforms.

Transferring Files to a Computer

Power on Osmo Action 3 and connect it to a computer using a USB cable. When connected to a computer, a pop-up will appear, this prompts to select the USB connection type on the camera touchscreen. Tap Transfer File to download the files from the camera to the computer. When transferring a file, the camera cannot take photos or record videos.

Select Cancel to only charge Osmo Action 3.



Reconnect Osmo Action 3 to the computer if a file transfer is interrupted.

OTG Connection for Transferring Files

For the Android devices supporting OTG connection, the files can be transferred from the camera to the Android device with OTG connection.

Connect the camera to the Android device with the Type-C to Type-C PD cable (included) using the USB-C port on the camera. When connected, view and transfer the photos and videos of the camera via the device album or file management.

If the camera cannot automatically recognize the Android device using the OTG connection, swipe down from the edge of the screen and enter the control menu. Tap Settings > OTG Connection, and use the Type-C to Type-C PD cable to connect the camera to device.

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Webcam Mode

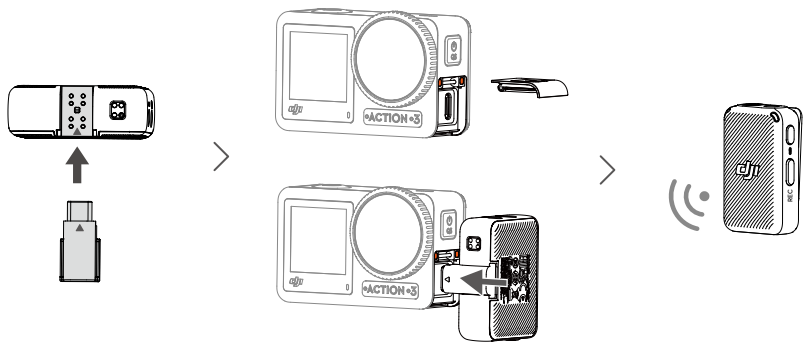
Osmo Action 3 can work as a webcam on a computer. Power on the camera and connect it to the computer using a USB cable. The camera will go into USB mode. Tap Webcam to enter the Webcam mode, and the camera will function as a webcam input device. The bottom of the screen displays Webcam. Press the shutter/record button to start recording. Tap the Image Parameter Settings icon on the right side of the screen to set the exposure, white balance, and FOV parameters. Users can preview recorded videos after exiting the Webcam mode.

Microphone Connection

Osmo Action 3 can be linked to an external microphone, including DJI Mic or any third-party digital Type-C microphones that support 48K/16 bits.

Follow the steps below (with DJI Mic as an example) to connect to a microphone:

1. Press the release button on the USB-C port cover and slide it downward. Lift the cover upward until it is detached from the device.
2. Power on the receiver and transmitters, and make sure the receiver and transmitters are linked.
3. Attach the receiver to the USB-C port of the camera using the USB-C adapter. A microphone icon will be displayed on the screen.
4. Press the linking button on the transmitter to start recording while using the transmitter for audio.



The transmitter and the receiver are linked by default. Follow the steps below to link if the transmitter and receiver are disconnected.

- Place the transmitter and the receiver in the charging case to link automatically.
- Power on the transmitter and the receiver, press and hold the link button on the transmitter, slide down on the screen of the receiver, select Settings and scroll through and tap Link Device to start linking. The status LED glows solid green to indicate linking was successful.

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Maintenance

Firmware Update

The firmware of Osmo Action 3 is updated using DJI Mimo.

Make sure the battery level of Osmo Action 3 is at least 15% before updating its firmware. Connect Osmo Action 3 to the DJI Mimo app. If new firmware is available, users will be notified by DJI Mimo. Update the firmware according to the on-screen instructions. The update takes approximately two minutes.

Underwater Usage Notes

Osmo Action 3 can be used underwater at depths of up to 16 m. When used with the Osmo Action 3 waterproof case, the device can operate underwater up to 60 m deep. Observe the following precautions when using the device in water.

1. Make sure the battery and battery compartment are dry and clean before inserting the battery. Otherwise, it may affect the battery's contact and waterproofing ability. Make sure the battery compartment cover is firmly fastened after the battery is inserted. Note: if the cover is properly mounted, the orange marks on its bottom will not be visible.
2. Make sure the USB-C port cover is clean and closed before using. Otherwise, it will affect the device's waterproofing ability.
3. Make sure the lens protective cover is in good condition and intact. If damaged, replace it immediately. Make sure the lens protective cover and lens are dry and clean. Sharp or hard objects may damage the lens and affect the device's waterproofing ability. Make sure the lens protective cover is properly tightened during use.
4. Osmo Action 3 is not waterproof unless the battery compartment cover, USB-C port cover, and lens protective cover are firmly mounted and fastened.
5. Avoid jumping into water at high speed with Osmo Action 3. Otherwise, the impact may result in water seepage. Make sure the camera is waterproof before jumping into water.
6. DO NOT use Osmo Action 3 in hot springs or extreme underwater environments. DO NOT let Osmo Action 3 come into contact with corrosive or unknown liquids.
7. Rinse the camera with clean water after using it underwater. Allow it to dry naturally before using again. DO NOT dry the camera with hot air using a hair dryer, otherwise the microphone membrane and the built-in breathable membrane will rupture, and the camera will no longer be waterproof.

Attach the waterproof case to Osmo Action 3 when using it while diving, surfing, underwater for an extended period, or in other situations involving high water impact. Observe the following precautions when using the device with the waterproof case:

1. Make sure the rubber seal is clean and firmly attached during use.

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2. Make sure the waterproof case is dry (for best results, place anti-fog fiber in the case during use) and the latch is secure.
3. Remove the rubber lens protector of Osmo Action 3 before placing the device inside the waterproof case.
4. Before use, it is recommended to place the waterproof case underwater for approximately five minutes to ensure it is working properly.
5. Rinse the case with tap water to prevent corrosion after using it in the sea.

- The touchscreens of Osmo Action 3 can be operated when their surface is wet.
- The touchscreens cannot function underwater. Users can press the camera buttons to start recording. Scuba diving mode is automatically enabled when the camera is used without the Osmo Action 3 waterproof case at a depth of more than 14 m.

Cleaning Notes

1. Clean the lens protective cover with water or a lens cleaning pen, lens air blower, or lens cleaning cloth. When changing the lens protective cover, make sure the camera is dry. After using it in water, let the camera dry before using it again. This will prevent water from seeping into the lens protective cover and fogging up the lens. DO NOT remove the lens protective cover frequently to avoid dust accumulating inside the lens cover, which can affect shooting quality.
2. Clean the lens with a lens cleaning pen, lens air blower, or lens cleaning cloth.
3. Clean the battery and battery compartment with a clean, dry cloth.
4. Make sure the quick-release slots on the camera are clean from dust and sand when attaching the quick-release adapter mount.

Battery Usage Notes

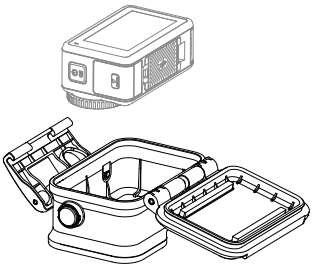
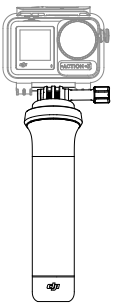
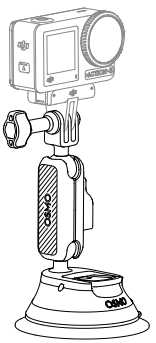
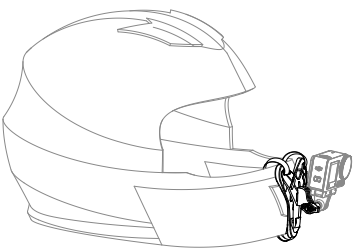
1. DO NOT use non-DJI Osmo batteries. New batteries can be purchased at www.dji.com. DJI Osmo shall not be responsible for any fault or damage caused by the use of any non-DJI Osmo battery.
2. The battery should be used at temperatures between -20° to 45° C (-4° to 113° F). Use of the battery at temperatures above 45° C (113° F) can lead to a fire or explosion. Before using the battery in a low-temperature environment, it is recommended to charge the battery fully in a normal temperature environment. Charging the battery at the ideal temperature can prolong battery life.
3. Battery performance will be affected if the battery is not used for an extended period.
4. Discharge and charge the battery completely once every three months to keep it in good working condition.
5. Remove the battery from Osmo Action 3 and store the battery in the Osmo Action 3 Multifunctional Battery Case when stored for an extended period.

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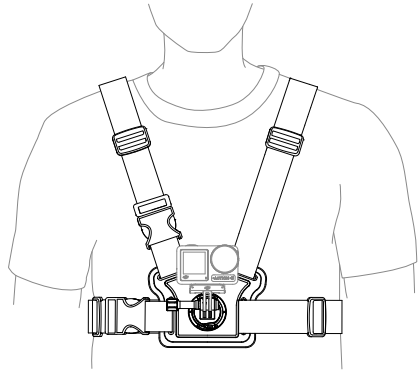
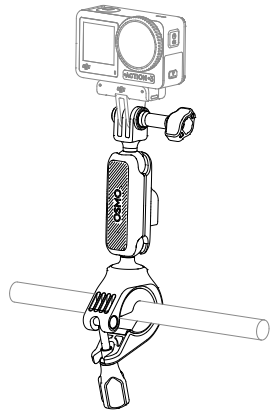
Using Other Accessories (Excluded)

Accessories	Diagram
Osmo Action 3 1.5m Extension Rod	 1. Adjust the telescopic length of the extension rod appropriately when in use. 2. DO NOT drop or strike the extension rod in any way when in use to avoid damage. 3. DO NOT shake the extension rod violently when installed with the camera to avoid damage. 4. Rinse with clean water to remove sand after underwater usage. 5. DO NOT use the extension rod during thunderstorms to avoid lightning strikes.
Osmo Action 3 Magnetic Ball-Joint Adapter Mount	

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Osmo Action 3 Waterproof Case	
DJI Floating Handle	
Osmo Action Suction Cup Mount	
Osmo Action Helmet Chin Mount	

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Osmo Action Chest Strap Mount	
Osmo Action Handlebar Mount	

Scan the QR code to read the corresponding product information.

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Specifications

Model	AC002
General	
Dimensions (L×W×H)	70.5×44.2×32.8 mm
Weight	145 g
Waterproof	16 m[1] without Waterproof Case, 60 m with Waterproof Case
Touchscreens	Front Screen: 1.4-inch 326 ppi 320×320 Rear Screen: 2.25-inch 326 ppi 360×640 Front/Back Screen Brightness: 750±50 cd/m²
Built-in Storage Capacity	The camera does not have built-in storage, but storage capacity can be expanded by inserting a microSD card.
Supported SD Cards	microSD (up to 256 GB)
Recommended microSD Cards	Recommended models: SanDisk Extreme 32GB V30 A2 UHS-I Speed Grade 3 SanDisk Extreme Pro 32GB V30 A2 UHS-I Speed Grade 3 Kingston Canvas Go!Plus 64GB UHS-I Speed Grade 3 Kingston Canvas Go!Plus 128GB UHS-I Speed Grade 3 Kingston Canvas React Plus 64GB UHS-II Speed Grade 3 Kingston Canvas React Plus 128GB UHS-II Speed Grade 3 Kingston Canvas React Plus 256GB UHS-II Speed Grade 3 Samsung Pro Plus 256GB V30 A2 UHS-I Speed Grade 3
Camera	
Sensor	1/1.7-inch CMOS
Lens	FOV: 155° Aperture: f/2.8 Format Equivalent: 12.7 mm Focus Range: 0.3 m to ∞
ISO Range	Photo: 100-12800 Video: 100-12800
Electronic Shutter Speed	Photo: 1/8000-30 s Video: 1/8000 s to the limit of frames per second
Max Photo Resolution	4000×3000
Zoom	Digital Zoom Photo: 4x Video: 2x (> 60fps), 3x (≤ 60fps, HorizonSteady On), 4x (≤ 60fps, HorizonSteady Off) Slow Motion/Timelapse: Not available
Still Photography Modes	Single: 12 MP Countdown: Off/0.5/1/2/3/5/10 s

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Standard Recording	4K (4:3): 4096×3072@24/25/30/48/50/60fps 4K (16:9): 3840×2160@100/120fps 4K (16:9): 3840×2160@24/25/30/48/50/60fps 2.7K (4:3): 2688×2016@24/25/30/48/50/60fps 2.7K (16:9): 2688×1512@100/120fps 2.7K (16:9): 2688×1512@24/25/30/48/50/60fps 1080p (16:9): 1920×1080@100/120/200/240fps 1080p (16:9): 1920×1080@24/25/30/48/50/60fps
Slow Motion	4K: 4x (120fps) 2.7K: 4x (120fps) 1080p: 8x (240fps), 4x (120fps)
Hyperlapse	4K/2.7K/1080p: Auto/×2/×5/×10/×15/×30
Timelapse	4K/2.7K/1080p@30fps Intervals: 0.5/1/2/3/4/5/6/7/8/10/13/15/20/25/30/40 s Duration: 5/10/20/30 mins, 1/2/3/5 hours, ∞
HDR Recording	4K (16:9): 3840×2160@24/25/30fps 2.7K (16:9): 2688×1512@24/25/30fps 1080p: 1920×1080@24/25/30fps
Stabilization	EIS[2]: RockSteady 3.0 RockSteady+ HorizonBalancing HorizonSteady
Max Video Bitrate	130 Mbps
Supported File System	exFAT
Photo Format	JPEG/RAW
Video Format	MP4 (H.264/HEVC)
Audio Output	48 kHz; AAC
Wi-Fi	
Wi-Fi Protocol	802.11 a/b/g/n/ac
Wi-Fi Operating Frequency	2.4000-2.4835 GHz; 5.150-5.250 GHz; 5.725-5.850 GHz
Wi-Fi Transmission Power (EIRP)	2.4 GHz: <16 dBm (FCC/CE/SRRC/MIC) 5.1 GHz: <14 dBm (FCC/CE/SRRC/MIC) 5.8 GHz: <14 dBm (FCC/CE/SRRC)
Bluetooth	
Bluetooth Protocol	BLE 5.0
Bluetooth Operating Frequency	2.4000-2.4835 GHz

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Bluetooth Transmission Power (EIRP)	<4 dBm
Battery	
Capacity	1770 mAh
Type	LiPo 1S
Charging Temperature	5° to 40° C (41° to 104° F)
Operating Temperature	-20° to 45° C (-4° to 113° F)
Voltage	3.85 V
Max Charging Power	23 W
Operating Time	160 mins[3]

[1] Before use, close the battery compartment cover and the USB-C port cover, and tighten the Lens Protective Cover. It is recommended to install the Waterproof Case for long-duration underwater shooting or in environments with high water impacts or pressure. Osmo Action 3 and its Waterproof Case have an IP68 waterproof rating. Do not use the camera in hot springs or expose it to corrosive liquids.

[2] EIS is not supported in Slow Motion and Timelapse modes. HorizonSteady is only available when the video resolution is 1080p (16:9) or 2.7K (16:9) with a frame rate of 60fps or below. HorizonBalancing is only available when the video resolution is 1080p (16:9), 2.7K (16:9), or 4K (16:9) with a frame rate of 60 fps or below.

[3] Tested in a 25° C (77° F) laboratory environment while recording 1080p/30fps video in normal video mode with Enhanced Image Quality disabled, EIS disabled, and the screens off, and should be used for reference only.

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