

DJI Osmo Action 5 Pro

DJI Osmo Action 5 Pro Vlog Combo User Manual

Model: Osmo Action 5 Pro

Brand: DJI

INTRODUCTION

This manual provides essential information for the first-time use, operation, and maintenance of your DJI Osmo Action 5 Pro Vlog Combo. Please read this manual thoroughly to ensure proper and safe usage of the device.

GETTING STARTED

Camera Layout

The Osmo Action 5 Pro features a lens and touch screen on the front. The sides are equipped with a Quick Switch Button, USB-C Port, Battery Compartment, and microSD Card Slot. The rear features a touch screen. The Shutter Button is located on the top, and Quick Release Slots for accessories are on the bottom.



Figure 1: Front and side view of the DJI Osmo Action 5 Pro, highlighting its lens, screens, and ports.

Attaching Battery and Charging

To attach the battery, press the release button on the battery compartment cover and slide it upward. The Osmo Action 5 Pro has 64GB of internal storage and supports extended storage with microSD cards. Ensure the battery is properly inserted, then close the battery compartment. The red marks on the bottom will not be visible when correctly closed. To charge, press the release button on the USB-C port cover and slide it down. Connect a USB-C charger to the USB-C port using the Type-C to Type-C PD cable. It is recommended to use a DJI 30W USB-C Charger or a USB-C charger that supports Power Delivery or PPS (Programmable Power Supply).

Which is the Best for You?




	 Currently browsing Osmo Action 5 Pro	 Osmo Action 4	 Osmo Action 3
Image Sensor	Next-Gen 1/1.3" CMOS	1/1.3" CMOS	1/1.7" CMOS
Max Photo Resolution	Approx. 40 MP	9.98 MP	12 MP
Max Video Resolution	4K/120fps	4K/120fps	4K/120fps
Operating Time	240 mins	160 mins	160 mins
Subject Tracking Mode	✓	✗	✗
Screens	OLED	LCD	LCD
Caseless Waterproofing	20 m	18 m	16 m
Built-In Pressure Gauge	✓	✗	✗
Built-In Storage	47 GB	✗	✗

Figure 2: Illustration of inserting the battery and connecting the USB-C charging cable to the camera.

Activation

The DJI Mimo app is required for activation when using Osmo Action 5 Pro for the first time. Press and hold the Quick Switch Button to power on the camera. Ensure your mobile device has a stable network connection and that Wi-Fi and Bluetooth are enabled. Scan the QR code displayed on the camera screen to download and install the DJI Mimo app. Run the app, register your account, and then log in. Tap the camera icon on the home screen and then click 'Connect' on the corresponding Osmo Action 5 Pro Wi-Fi name. When the verification code appears, click 'Accept'. Follow the prompts in the app to activate the camera. After successful activation, the app will display a prompt. If you have purchased or plan to purchase DJI Care services, you need to complete the purchase and binding within 30 days of activation.

Video 1: A comprehensive guide to the first-time setup and activation process for the DJI Osmo Action 5 Pro, including camera layout, battery installation, charging, and app activation steps.

Firmware Update

When new firmware is released, the app will automatically prompt you with a firmware update notification after connecting to the Osmo Action 5 Pro. To ensure your safety and an optimal experience, it is recommended to update your camera to the latest firmware version immediately. On the home screen of the app, click 'Download' and then follow the on-screen instructions to complete the upgrade. When the firmware is successfully updated, the camera will automatically restart, and a prompt will appear telling you that the update has been successful.

OPERATING THE DEVICE

Button Features

Press and hold the Quick Switch Button to power on the camera. After powering on, press the Quick Switch Button to switch between shooting modes (e.g., Photo, Video). Press the Shutter/Record Button to take a photo or to start/stop recording. During video or slow-motion video recording, you can tap the icon to mark highlights, helping you to quickly locate specific moments during post-editing while reducing the time to find highlights. When the camera is powered off, press and hold the Shutter Button to quickly start shooting using the Snapshot feature, ensuring you never miss a moment of the action. The camera will automatically power off if left idle for 3 seconds.



Figure 3: The camera's dual OLED touchscreens and extended battery life are key operational features.

KEY FEATURES

Imaging Capabilities

- **Capture Urban Nightscapes:** Features a new 1/1.3" sensor for stunning low-light performance, ideal for nighttime biking adventures.
- **Next-Gen 1/1.3" Sensor:** Get clear images with a 4nm chip and up to 13.5 stops dynamic range.

Get Into Revolutionary Imaging

Get clear images with next-gen 1/1.3" sensor and a 4nm chip with up to 13.5 stops dynamic range.

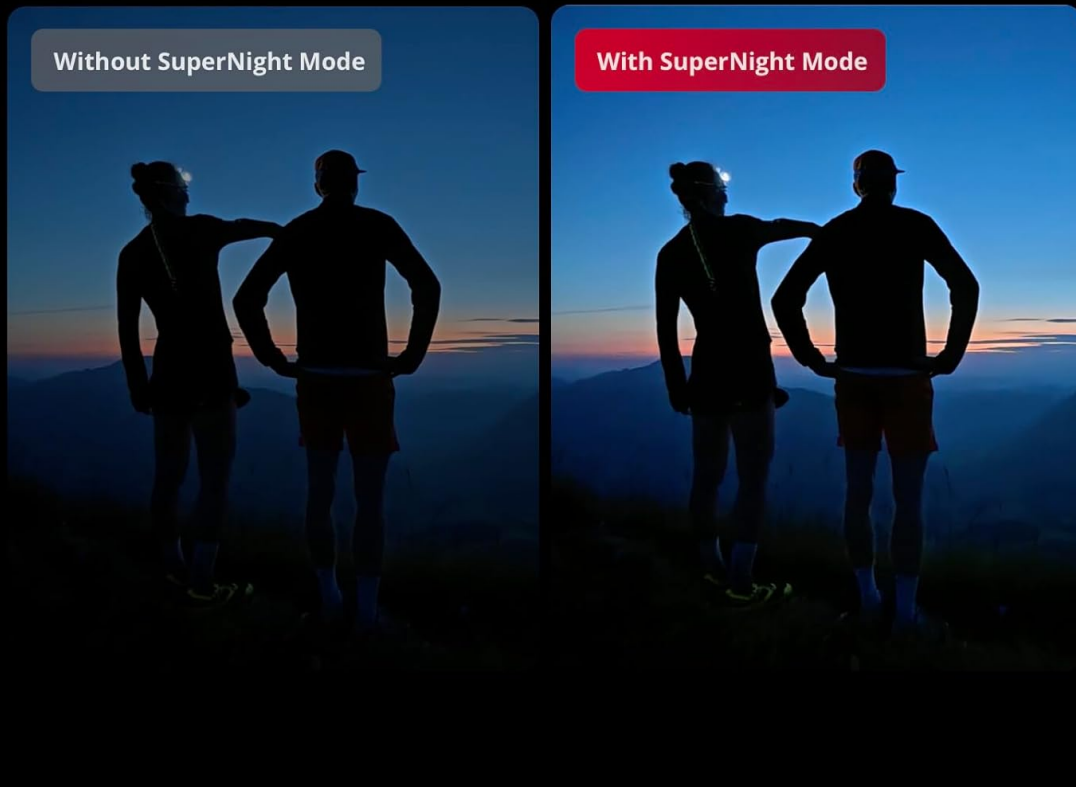


Figure 4: Demonstrates the enhanced image clarity in low light using SuperNight Mode.

Video Capabilities

- **Upgraded 4K/120fps 4:3 Video:** Provides more space for framing and cropping your shots.
- **Immersive Ultra-Wide FOV:** Expand your perspective with the 155° ultra-wide FOV, perfect for dynamic video capture.
- **On The Go in Slow-Mo:** 32x slow motion lets you capture epic, exhilarating action shots.
- **Pro Color Grading:** D-Log M allows for greater detail capture and increased flexibility in editing.

Stabilization

- **Enhanced Subject Tracking:** Keep fast-moving subjects centered with the 4nm chip for smooth and fast framing.
- **360° HorizonSteady:** Maintain a level view with integrated HorizonSteady and HorizonBalancing.
- **RockSteady 3.0:** Reduce shakiness during extreme movements to retain the dynamic feel of motion in 4K action.

Track Without Shaking

Action 5 Pro detects the subject's position and adjusts for stable composition. ^[7]



Figure 5: The camera's subject tracking feature ensures the main subject remains in focus and centered.

Durability

- **Long Lasting All-Condition Use:** Experience up to 4 hours of extended battery life, ideal for all scenarios.
- **Dive Deeper, Record Easier:** Capture stunning visual content at depths of up to 20m, ensuring footage remains crisp and not grainy.
- **Embrace the Cold:** Thrive in cold temperatures and record up to 3.6 hours in conditions as low as -20°C / -4°F.

Display & Audio


- **Crisp, Dual OLED Touchscreens:** Larger, brighter, and super responsive, letting you frame and check your shots on the go.
- **Professional Audio:** Capture clear audio with DJI Microphone Connection—and get audio from DJI Mic 2/Mic Mini transmitter directly without needing a receiver.

Data Management

- **Rapid Transfer:** Wirelessly transfer content at speeds up to 80 MB/s.
- **47 GB Internal Storage:** Massive built-in storage means you don't need to bother with microSD cards. Start recording right out of the box!


ACCESSORIES

The Quick-Release Adapter Mount features a magnetic quick-release design, allowing for flexible switching between multiple positions and accessories. It is also compatible with other Osmo Action series action cameras. 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. Use the Osmo Action Curved Adhesive Mount to attach the camera to curved surfaces such as helmets. The Osmo Action Multifunctional Battery Case can store up to three batteries and two microSD cards. When the batteries are inserted into the battery case, it can also be used as a power bank to charge other devices, such as a smartphone.



Osmo Action 5 Pro Vlog Combo (Mic Mini)

Get these accessories plus the Standard Combo:



DJI Mic Mini Transmitter
(Infinity Black)

Figure 6: The DJI Osmo Action 5 Pro Vlog Combo includes the Mic Mini Transmitter and other essential accessories for content creation.

TROUBLESHOOTING (FAQ)

- **How do I export photos and videos from Osmo Action 5 Pro?**

There are three exporting options available: 1. Connect to the DJI Mimo app and download content from the microSD card and built-in storage to your smartphone. 2. Use a card reader to export content from the microSD card to your computer or smartphone. 3. Swipe down from the camera view, tap the Settings icon, and select OTG Connection. Follow the on-screen prompts to connect the camera to a computer or smartphone with a Type-C port using a Type-C cable. You can then export content from the microSD card

and built-in storage.

- **How do I activate Osmo Action 5 Pro?**

You can follow the steps below to activate the device: 1. Download the DJI Mimo app by scanning the QR code shown on the camera screen prompt or from your smartphone's app store. 2. Press and hold the quick switch button to power on Osmo Action 5 Pro. 3. Launch the DJI Mimo app, tap the Camera icon, enable Bluetooth and Wi-Fi on your smartphone, and connect to Osmo Action 5 Pro. 4. After connecting Osmo Action 5 Pro to the DJI Mimo app, you will be prompted to activate the device. 5. Complete the activation by following the prompts in the app. *Due to platform compatibility issues, the DJI Mimo app has been removed from Google Play. For a better product experience, please visit the official DJI Website to download the latest version of DJI Mimo.

- **Why does Osmo Action 5 Pro heat up during use?**

When using high-specification, high-performance modes (such as 4K/120fps standard video mode, 2.7K/60fps Subject Tracking mode, or 4K/30fps SuperNight mode), the camera consumes more power, which can result in a noticeable increase in temperature. Additionally, extended recording sessions or prolonged handheld use can also cause the camera to feel warm.

- **How do I solve the issue of flicker when playing footage shot on Osmo Action 5 Pro on different computers?**

Playback of recorded footage on computers can be affected by computer settings and performance. If flicker occurs, try the following solutions: Apple Mac: Go to System Preferences > Displays > Refresh Rate, and change the refresh rate to a fixed value, instead of ProMotion. Other computers: A low-performance graphics card may cause flicker when playing the files. It is recommended to use a better-performing computer for viewing.

- **What should I do before using Osmo Action 5 Pro underwater?**

1. Check that the Glass Lens Cover and screens are intact. Close the battery compartment cover and the USB-C port cover, and tighten the Glass Lens Cover. 2. Osmo Action 5 Pro can be used at depths of up to 20 meters. However, it is recommended to install the Waterproof Case for long-duration underwater shooting or in environments with high water impact pressure. 3. Do not use the camera in hot springs or extreme underwater environments, or let it come into contact with corrosive or unknown liquids. 4. Before changing the Glass Lens Cover, air dry the camera to avoid any condensation caused by water entering the lens cap. 5. Rinse the camera with clean water after using it underwater, and completely air dry it before using it again.

SPECIFICATIONS

- **ASIN:** B0DP56791C
- **Date First Available:** November 27, 2024

For a detailed comparison with other models, refer to the table below:



Figure 7: Specifications comparison between Osmo Action 5 Pro, Osmo Action 4, and Osmo Action 3.

WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official DJI website or contact DJI customer service. Keep your proof of purchase for warranty claims.