DJI 6941565989512

DJI Osmo Action 5 Pro Instruction Manual

Model: Osmo Action 5 Pro (6941565989512)

Brand: DJI

1. Introduction and Overview

The DJI Osmo Action 5 Pro is a state-of-the-art action camera designed to capture high-quality footage in diverse environments. It features a large 1/1.3-inch sensor, capable of recording stunning 4K video at up to 120 frames per second. Key functionalities include advanced subject tracking, robust stabilization, and intuitive dual OLED touchscreens. Its durable, waterproof design and long battery life make it suitable for extended use in challenging conditions.



Figure 1.1: Front view of the DJI Osmo Action 5 Pro camera.

2. What's in the Box

The Standard Combo package for the DJI Osmo Action 5 Pro includes the following items:

- Osmo Action 5 Pro x1
- Osmo Action Extreme Battery Plus (1950 mAh) x1
- Osmo Action Horizontal-Vertical Protective Frame x1
- Osmo Action Quick-Release Adapter Mount x1
- Osmo Action Curved Adhesive Base x1
- Osmo Locking Screw x1
- Type-C to Type-C PD Cable x1
- Osmo Action 5 Pro Rubber Lens Protector x1
- Osmo Action 5 Pro Glass Lens Cover x1
- Osmo Action Anti-Slip Pad x1



Figure 2.1: All items included in the Standard Combo package.

3. Setup

3.1. Initial Activation via DJI Mimo App

The Osmo Action 5 Pro requires activation through the DJI Mimo App before first use. Follow these steps:

1. Download the DJI Mimo app. You can scan the QR code displayed on the camera screen prompt or search for it in your smartphone's app store.
2. Press and hold the quick switch button to power on your 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.

Note: Due to platform compatibility issues, the DJI Mimo app has been removed from Google Play. For a better user experience, please visit the DJI official website to download the latest version of DJI Mimo.

3.2. MicroSD Card Recommendations

For optimal performance, especially with 4K/120fps video, use recommended microSD cards. The camera also features 47GB of built-in internal storage.

Recommended MicroSD Cards

Brand	Model	Capacity	Class
SanDisk	Extreme PRO	32GB	U3 A1 V30
Kingston	CANVAS Go! Plus	64GB, 128GB, 256GB, 512GB, 1TB	U3 A2 V30
Lexar	Professional 1066x	64GB, 128GB, 256GB, 512GB	U3 A2 V30

3.3. Connecting External Microphones

The Osmo Action 5 Pro supports direct connection with DJI Mic 2/Mic Mini transmitters for professional audio capture without needing a separate receiver.

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Video 3.1: Official introduction to the DJI Osmo Action 5 Pro, highlighting key features including audio connectivity.

4. Operating the Camera

4.1. Image and Video Quality

The Osmo Action 5 Pro features a new 1/1.3-inch sensor and a 4nm chip, delivering stunning 4K/120fps video and vibrant, true-to-life colors. It supports 10-bit color depth for smoother gradients and D-Log M for professional color grading flexibility.



Figure 4.1: The 1/1.3-inch sensor captures life in vibrant detail with 2.4 µm pixel size and 13.5 stops of dynamic range.

4.2. Low-Light Performance

Capture clear and detailed footage even in challenging low-light conditions with the SuperNight mode. This is ideal for urban nightscapes and nighttime adventures.

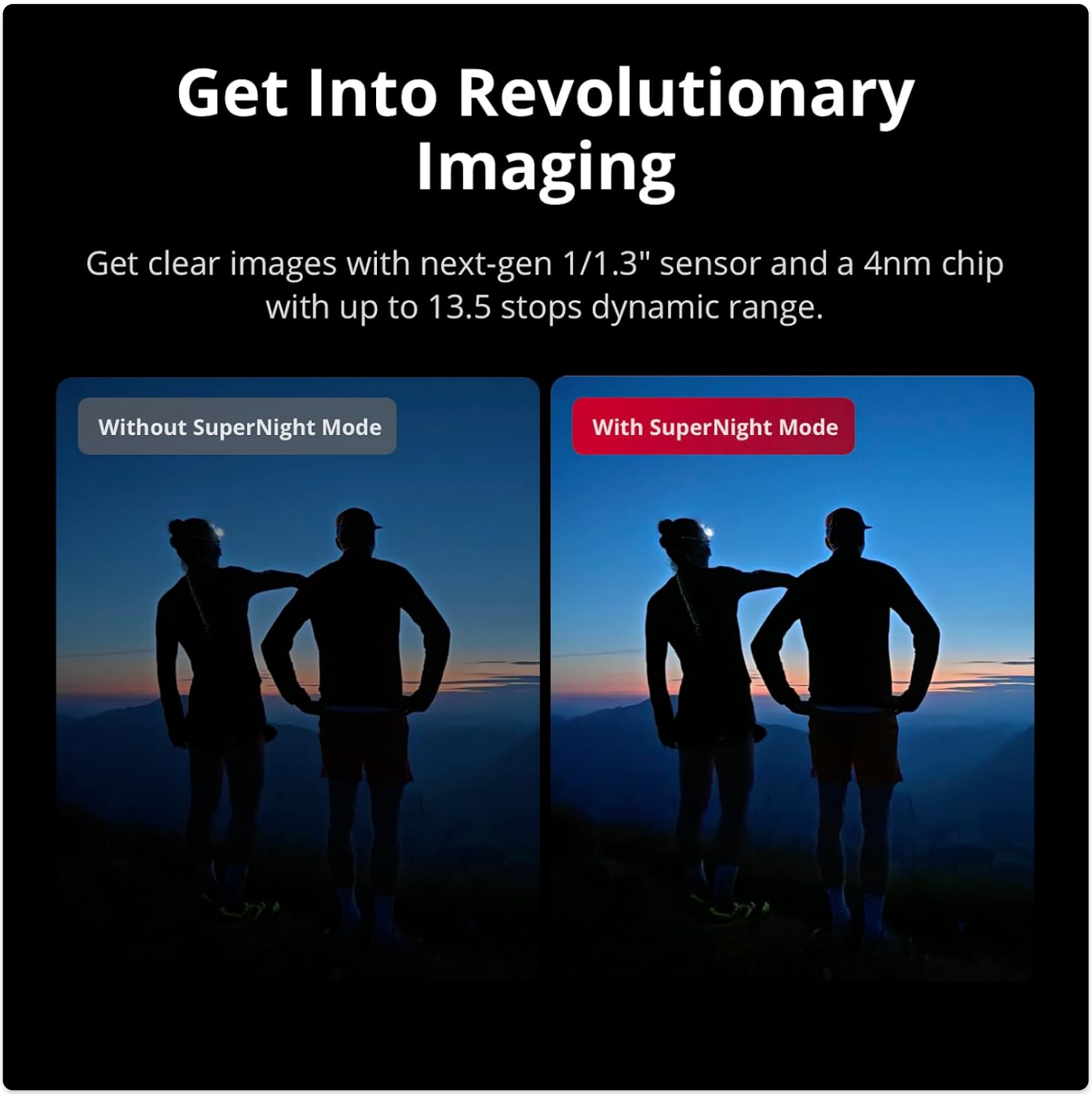


Figure 4.2: SuperNight mode enhances visibility and detail in dark environments.

4.3. Stabilization and Subject Tracking

Achieve ultra-stable footage with 360° HorizonSteady and RockSteady 3.0. The camera also features enhanced subject tracking, keeping fast-moving subjects centered in the frame.

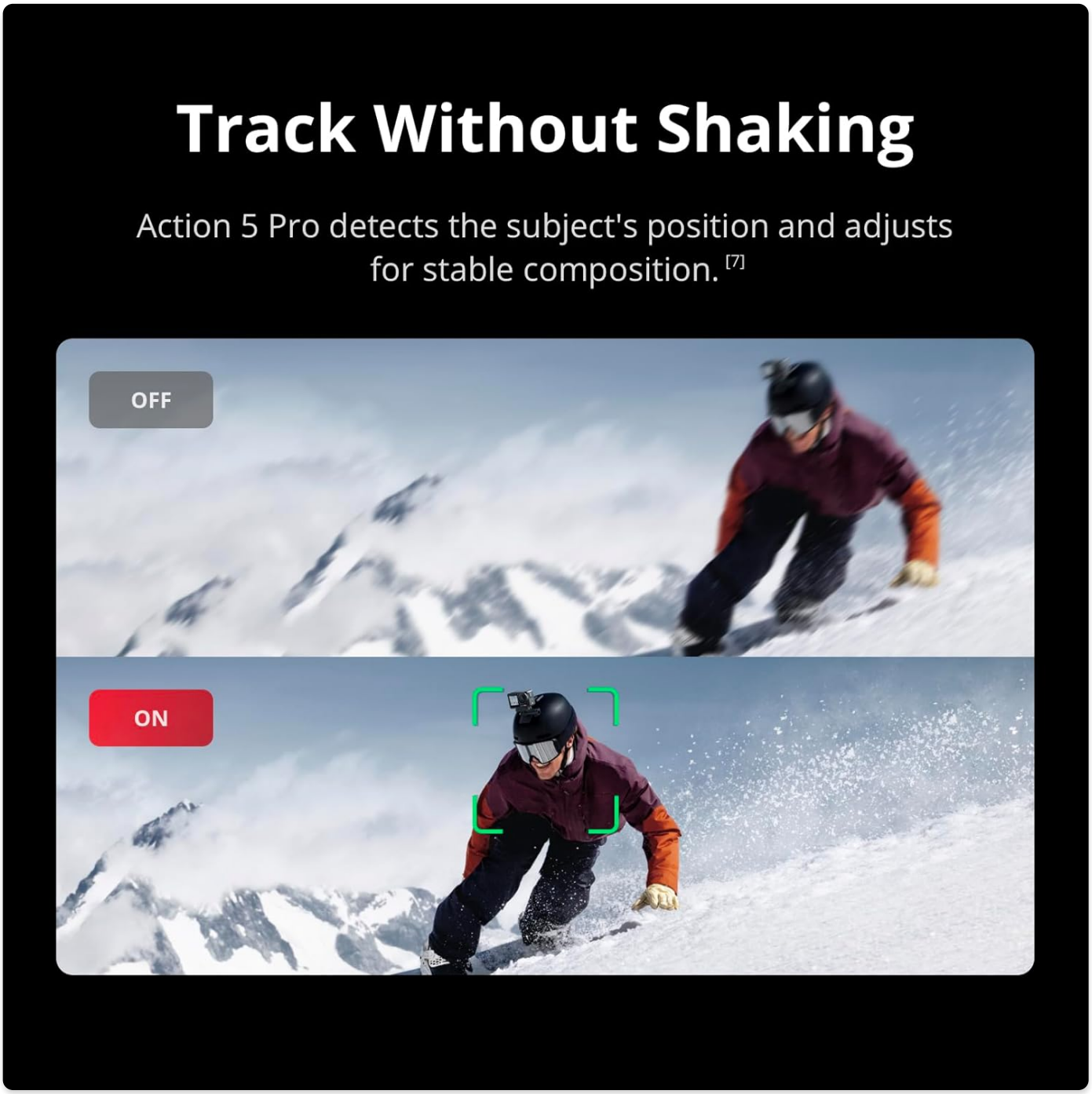


Figure 4.3: Subject tracking ensures stable composition by detecting and adjusting to the subject's position.

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Video 4.1: A detailed walkthrough of all settings, resolutions, and modes available on the DJI Osmo Action 5 Pro.

4.4. Dual OLED Touchscreens

The camera is equipped with dual OLED touchscreens (front and rear) for crisp viewing and precise control, even in bright sunlight or underwater. This allows for easy framing and settings adjustments on the go.



Figure 4.4: The dual OLED touchscreens provide clear viewing and responsive control.

4.5. Vertical Shooting

The Osmo Action 5 Pro allows for quick switching to vertical recording in just 1.5 seconds, enabling fresh and unique shots ideal for social media content.

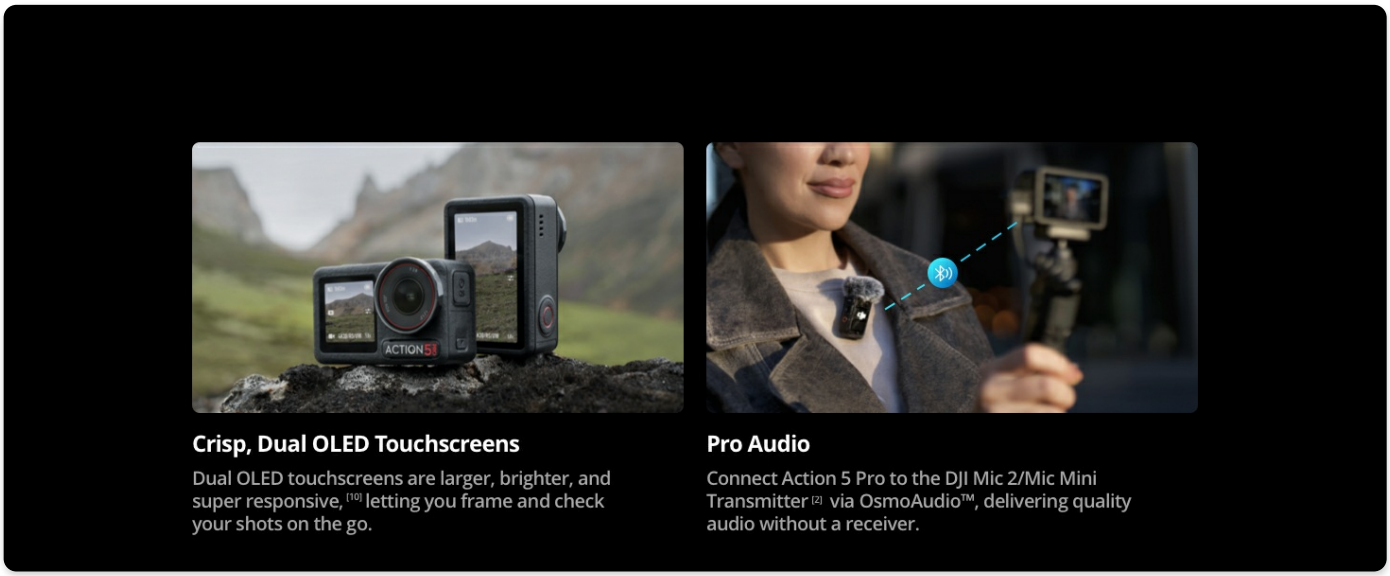


Figure 4.5: The camera supports quick vertical shooting for dynamic perspectives.

5. Maintenance

5.1. Heat 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.

5.2. Underwater Care

To ensure proper function and longevity when used 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. With the Waterproof Case, Osmo Action 5 Pro can be used at depths of up to 60 meters.
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.

6. Troubleshooting

6.1. DJI Mimo App Activation Issues

If you encounter issues with DJI Mimo app activation, ensure your smartphone meets compatibility requirements and that

the app is the latest version downloaded from the official DJI website, as it may not be available on Google Play.

6.2. Flicker When Playing Footage 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.

7. Specifications

Feature	Specification
Product Dimensions	2.78 x 1.74 x 1.29 inches
Item Weight	5.1 ounces
ASIN	B0DBQTC2P7
Item Model Number	6941565989512
Batteries	1 C batteries required (included)
Date First Available	September 19, 2024
Manufacturer	DJI
Country of Origin	China
Photo Sensor Technology	CMOS
Video Capture Resolution	4K
Maximum Focal Length	24 Millimeters
Maximum Aperture	2.8 f
Flash Memory Type	Micro SD
Video Capture Format	MP4
Supported Audio Format	48 kHz 16-bit; AAC
Screen Size	2.5 Inches
Connectivity Technology	Bluetooth, Wi-Fi

8. Warranty and Support

For detailed warranty information, please refer to the documentation included with your product packaging or visit the official DJI website. For further support, including FAQs and contact options, please visit the DJI Support page.

You can also visit the official DJI Store for additional resources and product information:DJI Amazon Store

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question