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DJI CP.OS.00000020.01

DJI Osmo Action Cam User Manual

Model: CP.OS.00000020.01

1. Introduction

The DJI Osmo Action Cam is a versatile digital action camera designed to capture high-quality footage in various environments. Featuring dual screens, 4K HDR video capabilities, and robust waterproofing, it is engineered for dynamic content creation.
Key features include:

- **Dual Screens:** Front and rear displays for easy framing, whether shooting action or vlogging.
- **RockSteady Stabilization:** Advanced electronic image stabilization for smooth, shake-free video.
- **4K HDR Video:** Captures dynamic and detailed footage with natural transitions between light and dark areas.
- **Waterproof Design:** Submersible up to 11 meters (36 feet) without additional housing.
- **Creative Shooting Modes:** Includes 8x slow motion, custom exposure settings, timelapse, and interval shooting.



Image: Front view of the DJI Osmo Action Cam, showcasing its primary lens and front display. The screen shows a skier on a snowy mountain, indicating its use in action sports.

2. Product Overview and Components

2.1 Package Contents

The standard package for the DJI Osmo Action Cam includes the following items:

- 1x Osmo Action Camera
- 1x Frame Mount
- 1x Curved Adhesive Mount
- 1x Quick-Release Base
- 1x Battery
- 1x Battery Case
- 1x Locking Screw
- 1x USB-C Cable

2.2 Camera Components

Familiarize yourself with the main parts of your Osmo Action Cam:

- **Front Screen:** Small display for selfie framing and quick status checks.
- **Rear Touchscreen:** Main display for camera control, settings, and playback.
- **Lens:** Wide-angle lens for capturing expansive scenes.
- **QS Button:** Quick Switch button for fast mode changes or screen switching.

- **Shutter/Record Button:** Initiates photo capture or video recording.
- **Power Button:** Turns the camera on/off and changes shooting modes.
- **Battery Compartment:** Located on the side, houses the removable battery.
- **USB-C Port:** For charging and data transfer.
- **MicroSD Card Slot:** For storage of photos and videos.



Image: A person holding the DJI Osmo Action Cam, showing the rear touchscreen in use. This illustrates the camera's compact size and ease of handling.

3. Setup

3.1 Battery Installation and Charging

1. Open the battery compartment cover on the side of the camera.
2. Insert the battery into the compartment, ensuring the contacts align correctly.
3. Close the battery compartment cover securely.
4. Connect the camera to a power source using the provided USB-C cable for charging. The battery indicator will show charging status.

3.2 MicroSD Card Insertion

1. Locate the microSD card slot next to the battery compartment.

2. Insert a compatible microSD card (UHS-I Speed Class 3 or higher recommended) with the contacts facing down until it clicks into place.
3. To remove, push the card in slightly until it springs out.

3.3 Connecting to DJI Mimo App

For advanced control and features, connect your Osmo Action Cam to the DJI Mimo app:

1. Download the DJI Mimo app from your device's app store.
2. Power on the Osmo Action Cam.
3. Enable Wi-Fi and Bluetooth on your mobile device.
4. Open the DJI Mimo app and follow the on-screen instructions to connect to your camera.

4. Operating the Camera

4.1 Powering On/Off and Mode Switching

- **Power On:** Press and hold the Power button.
- **Power Off:** Press and hold the Power button until the camera powers down.
- **Switch Modes:** Briefly press the Power button to cycle through shooting modes (e.g., Video, Photo, Slow Motion).

4.2 Switching Between Front and Rear Screens

You can switch between the front and rear screens using one of the following methods:

- Double-tap with two fingers on the main surface of the rear screen.
- Press and hold the QS (Quick Switch) button.
- Access the camera view in the DJI Mimo app and tap "Switch Screen".
- Activate voice command and say "Screen Switch".



Image: Rear view of the DJI Osmo Action Cam, showing the main touchscreen displaying a snowboarder in action, highlighting the camera's ability to capture dynamic sports footage.

4.3 Recording Video and Taking Photos

- **Start/Stop Recording:** Press the Shutter/Record button once.
- **Take Photo:** In Photo mode, press the Shutter/Record button once.
- **RockSteady Stabilization:** This feature is automatically applied in many video modes to ensure smooth footage. It combines electronic image stabilization with complex algorithms.
- **HDR Video:** Select HDR Video mode for enhanced dynamic range, providing richer details in both bright and dark areas.
- **Slow Motion:** Capture epic moments in 8x slow motion at 1080p and 240 frames per second.
- **Timelapse:** Record the passage of time in an impressive way.
- **Interval Shooting:** Capture RAW format interval shots for maximum post-processing flexibility.

4.4 Waterproofing

The Osmo Action Cam is waterproof up to 11 meters (36 feet) without additional housing. Ensure all port covers and the battery compartment are securely closed before exposing the camera to water. The touchscreen features a water-repellent coating.



Image: The DJI Osmo Action Cam being used underwater by a diver, demonstrating its waterproof capabilities.

5. Maintenance

5.1 Cleaning

- **Lens and Screens:** Use a soft, lint-free cloth to gently wipe the lens and screens. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth (not directly to the camera).
- **Camera Body:** Wipe the camera body with a clean, damp cloth. Avoid using harsh chemicals or abrasive materials.

5.2 Water Care

After using the camera in water, rinse it with fresh water and allow it to air dry completely before opening any compartments. This prevents salt or chlorine residue buildup.

5.3 Battery Care

- Store batteries in a cool, dry place.
- Avoid fully discharging or overcharging the battery for extended periods.
- If storing for a long time, charge the battery to approximately 50-60%.

5.4 Firmware Updates

Periodically check for firmware updates via the DJI Mimo app. Updates can improve performance, add new features, and fix bugs. Follow the app's instructions carefully during the update process.

6. Troubleshooting

6.1 Common Issues and Solutions

- **Camera Overheating:**

  The camera may heat up during prolonged 4K/60fps recording, especially in confined spaces. If it overheats, it may automatically shut down. Allow the camera to cool down before resuming use. Ensure adequate ventilation.

- **Grainy Video in Low Light:**

  Like most action cameras, the Osmo Action performs best in well-lit conditions. In low light, video quality may degrade and appear grainy. Consider using external lighting or adjusting manual exposure settings if available.

- **App Connection Issues:**

  If the DJI Mimo app fails to connect, ensure Wi-Fi and Bluetooth are enabled on your mobile device and the camera. Try restarting both the camera and the app. Some devices may require airplane mode to be enabled before manually turning on Wi-Fi and Bluetooth for a stable connection.

- **Voice Commands Not Responding:**

  Ensure the voice command feature is enabled in the camera settings. Speak clearly and directly towards the camera. Environmental noise can interfere with recognition.

- **Unresponsive Screen:**

  If the touchscreen becomes unresponsive, especially after water exposure, ensure it is completely dry. A soft reset (powering off and on) can often resolve temporary issues.

6.2 General Advice

- Always ensure the battery is sufficiently charged before use.
- Use a high-speed, reputable brand microSD card to avoid recording issues.
- Regularly back up your footage to prevent data loss.

7. Specifications

Feature	Specification
Brand	DJI
Model Number	CP.OS.00000020.01
Effective Still Resolution	12 MP
Video Recording Resolution	Up to 4K (3840x2160) at 60fps, 1080p at 240fps
Image Stabilization	RockSteady (Electronic Image Stabilization)
Waterproof Depth	11 meters (36 feet)
Minimum Shutter Speed	1/8000 seconds
Maximum Shutter Speed	120 seconds
Flash Memory Type	Micro SD
Connectivity Technology	Bluetooth
Item Weight	4.4 Ounces (approx. 125g)
Operating Temperature	-10 to 40 °C (14 to 104 °F)

8. Warranty and Support

8.1 Product Warranty

The DJI Osmo Action Cam comes with a product warranty. Please refer to the warranty card included in your product packaging or visit the official DJI website for detailed warranty terms and conditions specific to your region.

8.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official DJI support website or contact their customer service. Keep your product's serial number and proof of purchase ready when seeking support.

Official DJI Store: DJI Store on Amazon

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