DJI OW001

DJI Osmo Nano Standard Combo (64GB) Instruction Manual

This manual provides detailed instructions for the setup, operation, and maintenance of your DJI Osmo Nano Standard Combo (64GB) camera.

1. PRODUCT OVERVIEW

The DJI Osmo Nano is a compact and powerful camera designed for capturing high-quality video and photos. It features a 1/1.3-inch sensor, 4K/60fps video recording, and a 143° wide field of view. Its magnetic design allows for versatile mounting and quick mode switching.

Image: The DJI Osmo Nano camera, showing its compact form factor and rear display.

2. WHAT'S IN THE BOX

The DJI Osmo Nano Standard Combo (64GB) includes the following components:

- Osmo Nano Camera (64GB) x 1
- Osmo Nano Multifunctional Vision Dock x 1
- Osmo Nano Magnetic Hat Clip x 1
- Osmo Nano Magnetic Lanyard x 1
- Osmo Nano Protective Case x 1
- USB-C to USB-C PD Cable (USB 3.1) x 1
- Osmo Nano Dual-Direction Magnetic Ball-Joint Adapter Mount x 1

What's in the Box

Osmo Nano
Camera (64GB)

Osmo Nano
Multifunctional Vision
Dock

Osmo Nano Magnetic Lanyard

Osmo Nano
Protective Case

Osmo Nano Dual-
Direction Magnetic Ball-
Joint Adapter Mount

Osmo Nano
Magnetic Hat Clip

USB-C to USB-C PD Cable
(USB 3.1)

Image: All components included in the DJI Osmo Nano Standard Combo package.

3. SETUP

3.1. Charging the Battery

The Osmo Nano camera requires 2 C batteries (included). To charge the device:

1. Connect the USB-C to USB-C PD Cable (USB 3.1) to the camera or Vision Dock.
2. Connect the other end of the cable to a USB-C charger that supports the standard PD 3.0 protocol with a maximum PD output power of 30 W or above.
3. A 20-minute charge can bring the camera to 80% battery capacity.

Fast Charging & 3+ Hour Battery Life

200 Mins

200 Mins [2]	90 Mins [2]	20 Mins [3]
Camera + Vision Dock	Camera	Charged to 80%

Image: The Osmo Nano camera and Vision Dock connected for charging.

3.2. App Installation

For optimal product experience and to access all features, download the latest version of the DJI Mimo app. Due to platform compatibility issues, the DJI Mimo app has been removed from Google Play. Please visit the official DJI website to download the latest version.

The DJI Mimo app allows for live view, remote control, and instant content transfer.

3.3. Magnetic Mounting

The Osmo Nano features a magnetic design for quick and versatile mounting. Utilize the included Magnetic Hat Clip, Magnetic Lanyard, or Dual-Direction Magnetic Ball-Joint Adapter Mount to attach the camera to various surfaces or wear it for hands-free recording.

Magnetic Mounting [1], Unlimited Creativity

Image: Examples of magnetic mounting for the Osmo Nano, demonstrating its versatility.

Image: The Osmo Nano camera mounted on a hat for first-person perspective recording.

4. OPERATING INSTRUCTIONS

4.1. Basic Recording

The Osmo Nano captures video in 4K resolution at 60 frames per second (4K/60fps) with a 143° ultra-wide field of view (FOV). This allows for immersive and detailed footage.

4K Clarity, Cinematic Feel

Enjoy smooth 4K/60fps video and a wide 143° view for immersive storytelling.

Image: Example of 4K video clarity captured by the Osmo Nano.

4.2. Battery Life and Recording

The camera offers up to 200 minutes of recording time when used with the Vision Dock. The main camera alone can operate for up to 90 minutes. Actual operating time may vary based on settings, usage, and environmental factors.

4.3. Live View and Remote Control

Utilize the DJI Mimo app for live preview of your footage and remote control of the camera. The dual-sided magnetic design allows for easy switching between selfie and capturing other perspectives.

Instant View & Seamless Transfer

Live preview, easy control

Built-in card slot, ready to store

Instant file transfer

Image: The Osmo Nano displaying live view on its screen, demonstrating ease of use.

4.4. Audio Recording

The Osmo Nano supports direct connection to two microphones, delivering high-quality sound for your recordings without the need for an external receiver.

Dual DJI Microphones Support for Superior Audio [4]

No receiver needed—clearer audio and a lighter setup.

Image: Demonstrating the dual microphone support for enhanced audio capture.

4.5. Waterproofing

The camera is waterproof up to 10 meters without any additional housing. With the Vision Dock, it offers IPX4 splash resistance, protecting it from sweat, rain, and splashes.

4.6. Storage and Transfer

The Standard Combo includes 64GB of built-in storage. While direct recording to a microSD card is not supported, you can quickly export footage from the camera to a microSD card via the Vision Dock to free up camera storage space.

For swift content transfer, connect the camera to a device/PC via the USB 3.1 PD cable for speeds up to 600 MB/s. Wireless transfer to your smartphone via the DJI Mimo app can reach up to 80 MB/s.

4.7. Image Quality and Stabilization

The 1/1.3-inch sensor captures more light for crisp, vivid shots, even in low light. It supports 10-bit D-Log M color for vibrant, lifelike footage and greater flexibility in post-production. RockSteady 3.0 stabilization keeps your POV shots steady and clear during dynamic activities.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camera body and lens. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the camera is fully charged before long-term storage to maintain battery health.
- **Firmware Updates:** Regularly check the DJI Mimo app or the official DJI website for firmware updates. Updates can improve performance, add new features, and fix bugs. Follow the instructions provided by DJI for safe firmware installation.

6. TROUBLESHOOTING

- **Overheating:** The camera may become warm during extended recording, especially in high-resolution modes or hot environments. If the camera overheats, it may temporarily stop recording or shut down to prevent damage. Allow it to cool down before resuming use.
- **App Connectivity Issues:** If you experience problems connecting to the DJI Mimo app, ensure Bluetooth and Wi-Fi are enabled on your mobile device and the camera. Restart both devices and try again. Verify you have the latest version of the app from the official DJI website.
- **Recording Problems:** If the camera fails to record, check the available storage space. Ensure the battery is sufficiently charged. If using the Vision Dock for microSD export, ensure the microSD card is compatible (refer to specifications for recommended models).
- **Water Damage:** While the camera is waterproof up to 10m, ensure the lens cover is tightened before submerging. If water enters the device, immediately power it off and contact DJI support.

7. SPECIFICATIONS

Feature	Detail
Model Number	OW001
Product Dimensions	2.33 x 2.72 x 1.09 inches
Item Weight	4.4 ounces
Batteries	2 C batteries (included)
Photo Sensor Technology	CMOS (1/1.3-inch sensor)
Video Capture Resolution	4K/60fps (up to 8K mentioned in specs, but 4K/60fps is primary feature)
Maximum Focal Length	19 Millimeters
Maximum Aperture	2.8 f
Flash Memory Type	Micro SD (for export via Vision Dock)
Video Capture Format	MP4
Supported Audio Format	AAC, MP4
Screen Size	2 Inches
Connectivity Technology	Bluetooth, Wi-Fi

Waterproofing	Up to 10m (camera), IPX4 splash resistance (with Vision Dock)
Built-in Storage	64GB

7.1. Recommended MicroSD Cards

For optimal performance, DJI recommends the following microSD card models:

- Lexar SILVER PLUS 64GB U3 A2 V30 microSDXC
- Lexar SILVER PLUS 128GB U3 A2 V30 microSDXC
- Lexar SILVER PLUS 256GB U3 A2 V30 microSDXC
- Lexar SILVER PLUS 512GB U3 A2 V30 microSDXC
- Lexar SILVER PLUS 1TB U3 A2 V30 microSDXC
- Kingston Canvas Go! Plus 64GB U3 A2 V30 microSDXC
- Kingston Canvas Go! Plus 128GB U3 A2 V30 microSDXC
- Kingston Canvas Go! Plus 256GB U3 A2 V30 microSDXC
- Kingston Canvas Go! Plus 512GB U3 A2 V30 microSDXC
- Kingston Canvas Go! Plus 1TB U3 A2 V30 microSDXC

8. WARRANTY AND SUPPORT

DJI provides an official warranty for its products. For detailed warranty information, technical support, or service inquiries, please visit the official DJI website or contact their customer service. Ensure you register your product if required to activate your warranty.
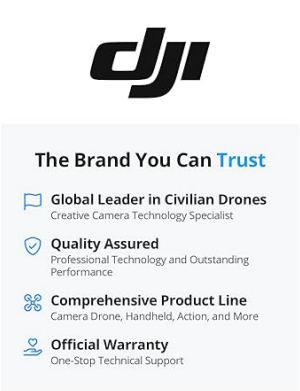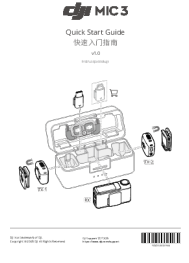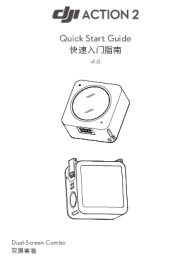

Image: DJI's commitment to quality and official warranty.

Related Documents - OW001

[DJI Osmo Nano Action Camera - Technical Specifications and Features Datasheet](#)
Comprehensive datasheet for the DJI Osmo Nano action camera, detailing its 1/1.3-inch sensor, 4K/60fps video capabilities, 143° wide-angle lens, 10-bit D-Log M color profile, IPX4 water resistance, and extended battery life. Includes technical specifications, notes on usage, and package contents.

[DJI Osmo Action: Action Camera Features, Specs, and Training](#)
Explore the features, unique selling points, specifications, and accessories of the DJI Osmo Action camera. Learn about RockSteady stabilization, dual screens, 4K HDR video, and its suitability for various activities.

[DJI MIC 3 Quick Start Guide - Wireless Microphone System](#)
A concise and accessible guide to setting up and using the DJI MIC 3 wireless microphone system. Learn how to connect the receiver (RX) to mobile devices and cameras, pair the transmitters (TX), and understand component functions. Includes detailed textual descriptions of diagrams and setup steps.

[DJI Mic 3 User Manual: Wireless Microphone System Guide](#)
Comprehensive guide to the DJI Mic 3 wireless microphone system, covering setup, features, pairing, usage with phones, cameras, computers, and firmware updates. Learn how to get the most out of your DJI Mic 3.

[DJI Action 2 Dual-Screen Combo: Quick Start Guide and Safety Information](#)
Get started quickly with the DJI Action 2 Dual-Screen Combo. This guide provides essential setup instructions, safety warnings, and compliance information for your action camera.

[DJI Osmo 360 Uživatelská příručka: Kompletní průvodce](#)
Podrobná uživatelská příručka pro kameru DJI Osmo 360, pokrývající profil produktu, nastavení, používání funkcí, export dat, specifikace a tipy pro údržbu.