

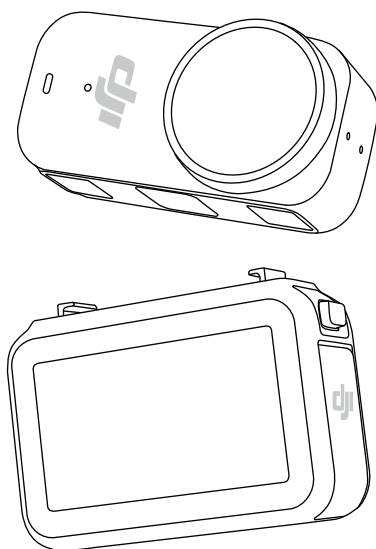


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dji OSMO NANO

User Manual

v1.2 2025.11





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In the event of divergence among different versions, the English version shall prevail.

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

📖 Reference

Read Before Use

DJI™ provides you with tutorial videos and the following documents:

1. *Safety Guidelines*
2. *Quick Start Guide*
3. *User Manual*

It is recommended to watch all the tutorial videos 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.

Video Tutorials

Go to the address below or scan the QR code to watch the tutorial videos, which demonstrate how to use the product safely:



<https://www.dji.com/nano/video>

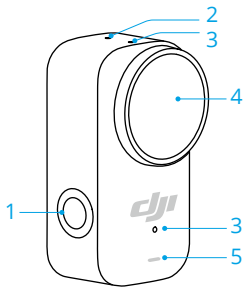
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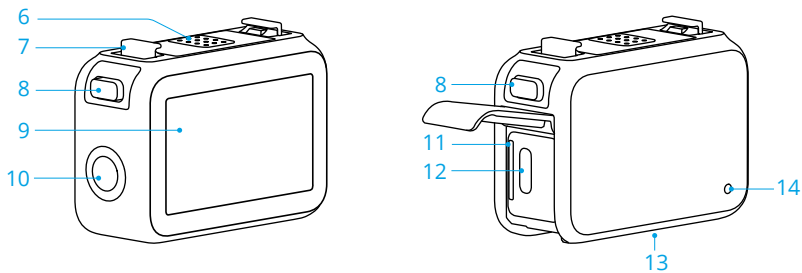
1 Product Profile

1.1 Overview

Camera



Multifunctional Vision Dock



- 1. Camera Button
- 2. Buzzer
- 3. Microphone
- 4. Lens
- 5. Status LED

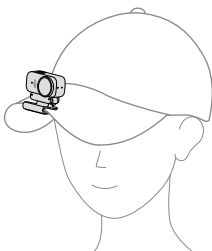
Blinking Pattern	Description
Solid green	The camera is powered on and ready for shooting. If the camera battery level is below 20% when powered on, the LED will briefly blink yellow.
Temporarily off and stays green	Taking a photo
Blinks red	Recording a video or taking a countdown photo

Blinking Pattern	Description
Blinks red three times rapidly	Powering off the camera
Blinks blue slowly	Preparing for auto recording
Blinks blue quickly	Trying to connect to DJI Mimo App for the first time when using the camera alone.
Solid yellow	Internal storage is full
Blinks red and green alternately	Updating firmware
Solid red	Pre-charging. The battery level will be displayed on the vision dock screen afterward.

- 6. Contacts
- 7. Quick-release Locking Clips
- 8. Quick-Release Button
- 9. Touchscreen
- 10. Vision Dock Button
- 11. microSD Card Slot
- 12. USB-C Port
- 13. Speaker
- 14. Air Pressure Balance Hole

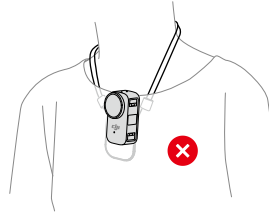
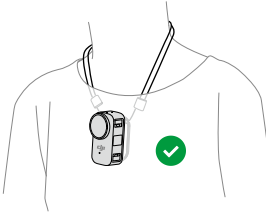
1.2 Standard Accessories

Osmo Nano Magnetic Hat Clip

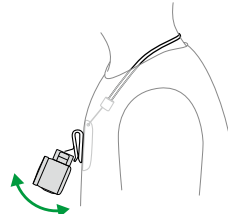


Osmo Nano Magnetic Lanyard

-
- ⚠ • Ensure that the camera is fully attached to the magnetic plate to prevent it from falling. Do not attach the vision dock when using the magnetic lanyard.
- Do not use the magnetic lanyard on thick clothing, as this may weaken the magnetic connection and cause the camera to fall.
 - Do not use the magnetic lanyard during intense movements to prevent the camera from falling.
-



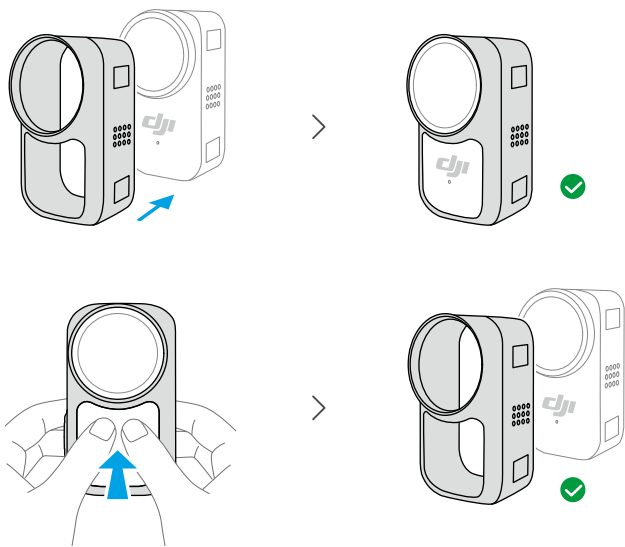
Magnetic Hat Clip + Magnetic Lanyard



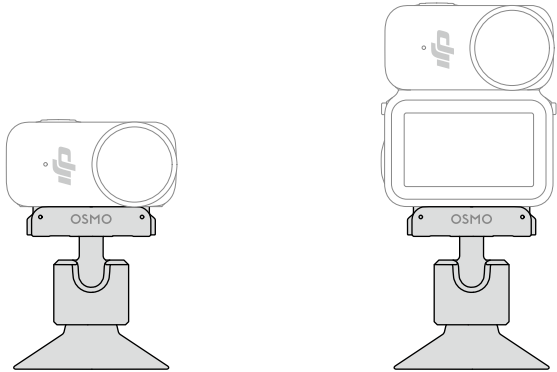
Osmo Nano Protective Case

If you need to hold the camera for an extended period, it is recommended to attach the protective case.

-
- ⚠ The camera may fall out of the protective case when subjected to impacts. Do not use the protective case in high-impact situations.
-



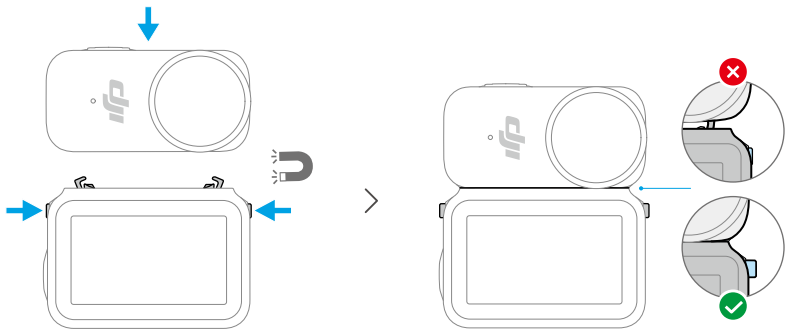
Osmo Nano Dual-Direction Magnetic Ball-Joint Adapter Mount



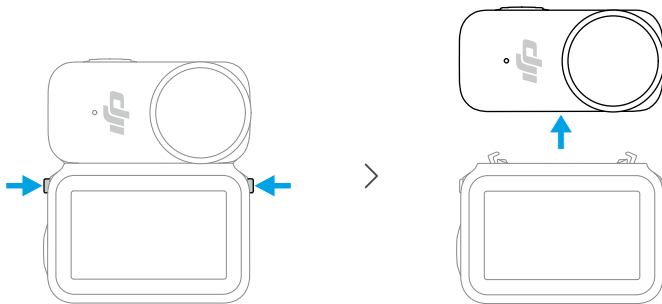
2 Getting Started

The product includes two parts: the camera and the multifunctional vision dock (hereinafter referred to as vision dock). The camera is used for shooting, and the vision dock allows you to see the liveview and adjust parameters or functions.

When used together, attach the camera to the vision dock with the lens facing forward or backward. Press the camera down to ensure a tight connection. There will be a clicking sound indicating the lock is secure.



The camera can also be detached and used independently for shooting. To detach for separate use, press the quick-release buttons on both sides to unlock and remove the vision dock.

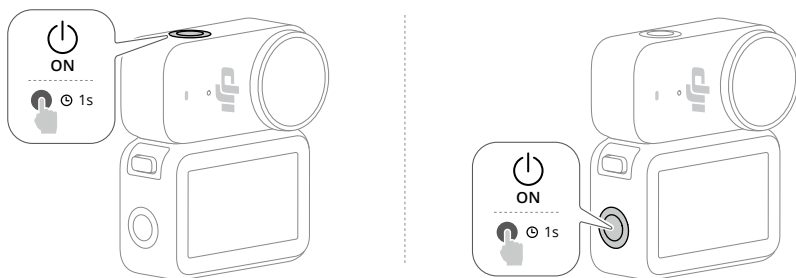


- The vision dock will charge the camera after installation. In some high-power consumption scenarios, charging will be stopped and priority will be given to using the battery of the vision dock.
- When using the camera independently, you can also turn on the vision dock to see the liveview wirelessly. Please pay attention to the effective range of video transmission.

2.1 Activation

Make sure to activate the camera using DJI Mimo App before first use.

1. When the camera is attached to the vision dock, press and hold the camera button or the vision dock button to power on.



2. Scan the QR code on the screen to download the DJI Mimo App.
3. Enable Wi-Fi and Bluetooth on the mobile device.
4. Launch DJI Mimo App on the mobile device, tap the camera icon to connect to the camera, and then follow the instructions to activate the camera.

When the camera is used with the DJI Mimo App, you can monitor the current camera view, set the camera parameters, and control the camera with a mobile device.

- To check the Android and iOS operating system versions supported by the app, visit <https://www.dji.com/downloads/djiapp/dji-mimo>.
- The interface and functions of the app may vary as the software version is updated. Actual user experience is based on the software version used.

💡 If there is a problem when connecting to DJI Mimo App, follow the steps below:

1. Make sure both Wi-Fi and Bluetooth are enabled on the mobile device.
2. Make sure the DJI Mimo App has the latest firmware version.
3. In the liveview, swipe down from the top of the screen and tap **Wireless Connection > Reset Connection**. The camera will reset all connections and Wi-Fi passwords.

2.2 Firmware Update

A prompt will appear in DJI Mimo App when new firmware is available. Tap the prompt and follow the on-screen instructions to update the firmware.

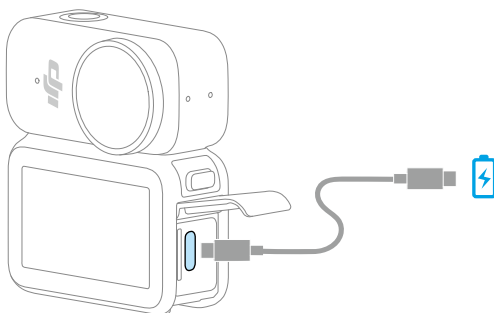
💡 If the update fails, follow the steps for troubleshooting.

1. Restart the camera and DJI Mimo App.
2. Enable Wi-Fi and Bluetooth on the mobile device.
3. Connect the camera to DJI Mimo App and try the update again.

Contact DJI Support if the update fails again.

2.3 Charging

Open the USB-C port cover and use the provided cable to connect the USB-C port to a charger. It is recommended to use a USB-C PD charger.



3 Using the Product

3.1 Button Features

-  The default button functions are described below. To change the button functions, swipe down from the top of the screen, tap  and customize as needed.
 - When the camera is attached to the vision dock, pressing and holding either the camera button or the vision dock button can simultaneously power both modules on or off.
-

Camera Button



When powered off

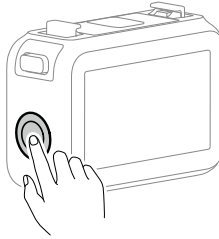
- **Press once:** Power on and start recording (SnapShot). Press again to stop recording.
 - If the vision dock is not used, the camera will automatically power off after shooting.
 - When using with the vision dock, the camera will automatically power off if left idle for three seconds after shooting.
- **Press and hold:** Power on.

 SnapShot is the quickest way to start shooting and never miss a moment of the action. By default, SnapShot applies the last used shooting settings.

When powered on

- **Press once:** Take a photo or start/stop recording.
- **Press twice:** Switch to the custom shooting mode for the camera button and start shooting.
- **Press and hold:** Power off.

Vision Dock Button



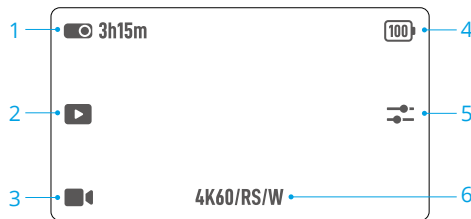
- **Press and hold:** Power on/off.

When powered on

- **Press once:** Take a photo or start/stop recording.
- **Press twice:** Enter the shooting mode quick switch page. Press again to cycle through preset shooting modes.

3.2 Operating the Touchscreen

After the camera powers on, the touchscreen shows the liveview.



1. Storage Capacity/Remaining Recording Time
2. Playback

During playback, swipe left from the right edge of the screen to return to the liveview.



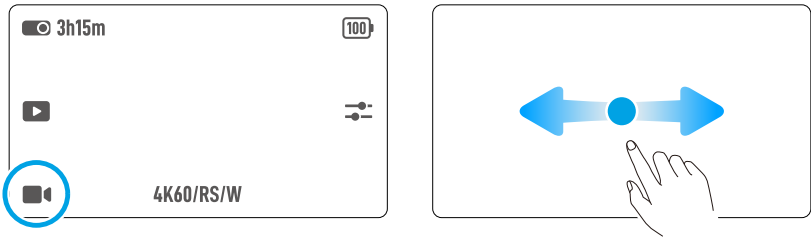
Playback is in low resolution when the camera and vision dock are used separately. If the camera and vision dock are far apart or there is interference, image quality may degrade.

3. Shooting Mode
4. Camera Battery Level

Tap to view the battery levels of both the camera and the vision dock.

- 5. Image/Audio Parameters
- 6. Shooting Specifications

Setting the Shooting Mode

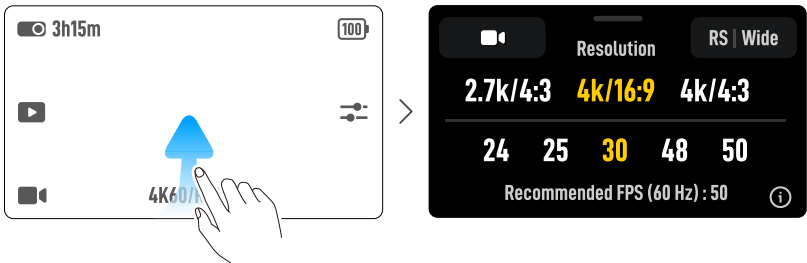


1. Tap the icon or swipe left or right on the screen to enter the mode switch page.
2. Swipe to select a shooting mode.
3. Tap the selected shooting mode or swipe up from the bottom of the screen to return to the liveview.

Setting the Shooting Parameters

Various parameters can be set in different shooting modes. Refer to the actual interface.

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



-  In video mode, tap the upper left corner to enable Pre-Rec or Loop Recording. Tap the upper right corner to set the EIS mode and Field of view (FOV).
- Pre-Rec: When enabled, the camera will pre-record footage within the set time duration. Once the shutter/record button is pressed, the camera will save the latest pre-recorded footage before pressing the shutter/record button and keep recording, then save the footage as a whole video. This

function allows the camera to save the footage before pressing the shutter/record button to avoid taking up too much storage space, helping capture highlights (especially for fishing).

- Loop Recording: When enabled, the camera records a video by overwriting older footage with new footage at selected time intervals. This function allows the camera to save storage space, and is suitable for use in scenes where the user is waiting to capture unanticipated highlights (such as when driving).
- EIS (Electronic Image Stabilization) mode:
 - Off: Records the video with the largest FOV.
 - RockSteady: Stabilizes footage while retaining the dynamics of movement, which is suitable for shooting sports scenes.
 - HorizonCorrection: Eliminates image shakes within $\pm 15^\circ$ to keep the footage horizontally stable, without losing the wide-angle FOV.
 - HorizonBalancing: Eliminates image shakes within $\pm 30^\circ$ to keep the footage horizontally stable, which is suitable for first-person perspective shooting.



To record videos with Gyro data, disable EIS Mode and set the camera FOV to **Wide**.

Once you have set the parameters, swipe down from the top of the screen to return to the liveview.

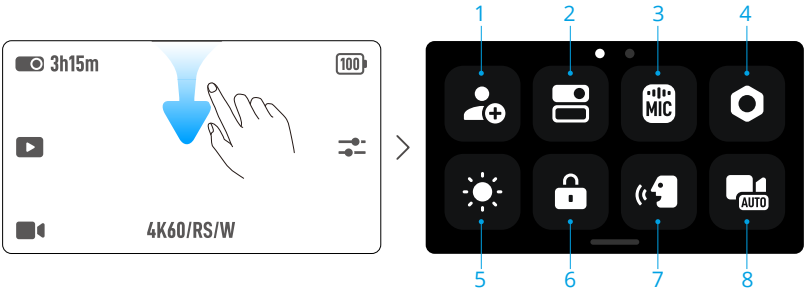
2. In the liveview, tap  to adjust image and audio parameters. Tap **PRO** to adjust pro parameters.



- D-Log M is designed for professional color grading when post-editing. In high-contrast or multi-color scenarios (e.g., garden, field, etc.), it can enlarge the dynamic range for more color-grading in post-production.
 - 10-bit color depth enables smoother color transition.
-

Control Center

Swipe down from the top of the screen to enter the control center. Swipe up from the bottom of the screen to return to the liveview.



1. Custom Modes

Save the current shooting settings as a custom mode and select a scene. Next time, you can switch to this mode using the touchscreen or the vision dock button.

2. Custom Button

Set the button functions.

When the double-press function of the vision dock button is set mode switching, you can customize the quick switch modes in the **Shooting Mode** menu, and enable/disable **Voice Prompt** when switching modes.

💡 When Voice Prompt is enabled, the camera announces the current shooting mode each time you double-press the vision dock button. This is especially helpful when the camera is installed on a helmet or other hard-to-see locations, allowing users to accurately select the desired mode.

3. Wireless Microphone

The camera can connect to two DJI wireless microphone transmitters simultaneously. Visit the official website to view the supported models.

Follow the on-screen instructions for linking. Once linked, you can use the transmitter to control the camera to start recording, with the audio being captured by the transmitter.

- 💡
- Visit the DJI website and refer to the user manual of the mic product for more information.
 - Enter the control center, tap , and enable **Built-in Mic Audio Backup**. When enabled, the built-in microphone of the camera will also record audio while shooting video, and save the audio as a separate .wav file.

- When the transmitter is linked to the camera, tap Wireless Microphone settings to adjust the audio parameters of the transmitter.

⚠ If the camera is used separately after linking to a transmitter, there will be no image display during recording.

4. Settings

5. Brightness

6. Screen Lock

7. Voice Control

Enable Voice Control to control the camera with voice commands.

8. Auto Recording

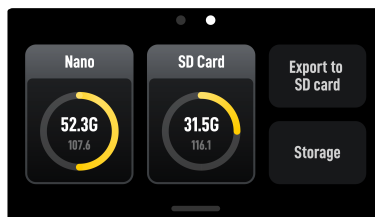
After selecting a trigger action and setting a time interval, follow the on-screen instructions to complete the remaining steps. The camera will power off and then automatically start recording based on the preset trigger or interval. This feature allows for hands-free operation during extended use, making it ideal for activities such as cycling and hiking.

💡 To disable the Auto Recording function during recording, press the camera button or the vision dock button first to stop recording, then enter the control center to stop the Auto Recording task.

3.3 Footage Storage and Transfer

Storage Space

Swipe down from the top of the screen, and then swipe left to check the storage information.



The camera has built-in storage and also supports expanding storage by installing a microSD card in the vision dock.

Tap **Storage** to format the internal storage or the microSD card.

- 💡 The footage cannot be stored directly on the microSD card in the vision dock. However, the footage in the camera's internal storage can be exported to the microSD card, freeing up internal storage space.
 - ⚠️ Formatting will permanently delete all data. Make sure to back up all required data before formatting.
-

Transferring Files

- 💡 • When transferring files by cables, if the camera cannot automatically recognize the connected device, enter the control center, tap  > **USB mode**, and reconnect the camera.
-

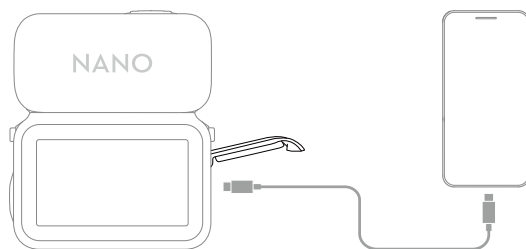
Transferring Files to microSD Card



When the microSD card is inserted, ensure the camera is attached to the vision dock with the lens facing forward. On the storage space page, tap **Export to SD card** to export the footage from the camera to the microSD card in the vision dock.

Transferring Files to a Mobile Device

- Connect the camera to DJI Mimo App, tap the album icon to preview photos and videos. Click  to download photos and videos.
- You can also transfer photos and videos by cables. Ensure the camera is attached to the vision dock with the lens facing forward, use the provided cable to connect the mobile device. When connected, view and transfer photos and videos via the device album or file management.

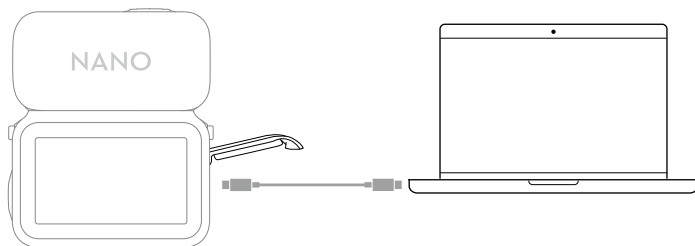


The photos and videos can be shared directly from DJI Mimo App to social media platforms.

Transferring Files to a Computer

Attach the camera to the vision dock with the lens facing forward, and use the provided cable to connect the camera to a computer.

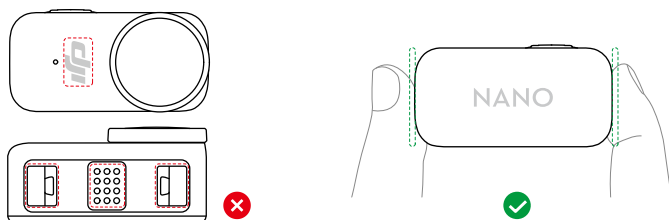
Once connected, a pop-up will appear on the touchscreen. Select a file transfer option based on the storage location, and download files to the computer. When transferring a file, the camera cannot take photos or record videos.



💡 Reconnect the device to the computer if a file transfer is interrupted.

3.4 Usage Notes

Contacts and slots may become hot during use. Avoid prolonged touching. If you need to hold the camera for an extended period, it is recommended to use the illustrated holding method or install a protective case. You can also use a magnetic lanyard for shooting. Be careful to avoid pinching your fingers during use.



Underwater Usage

-
- ⚠ • The camera can be used underwater at depths of up to 10 m.
- The multifunctional vision dock cannot be used underwater. Remove the vision dock before using the camera underwater.
-
1. To ensure the waterproof performance of the camera, make sure the lens protective cover is firmly mounted, and keep its rubber ring clean. All the holes on the camera have built-in waterproofing. DO NOT tamper with the holes.
 2. Check if the lens protective cover is in good condition. 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 ability of the camera. Make sure that the lens protective cover are firmly mounted on and the rubber ring at the base of the lens is not detached.
 3. Avoid jumping into water at high speed with the camera. Otherwise, the impact may result in water seepage.
 4. Rinse the camera with tap water after using it underwater. Allow it to dry naturally before using again. Wipe the surface of the camera with a soft and dry cloth.
 5. 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.
 6. When changing the lens protective cover, make sure the camera is dry. After using the camera in water, let it dry before using it again. This will prevent water from seeping into the lens protective cover, allowing for the lens to fog up.

Cleaning

1. DO NOT spill any liquids containing alcohol or cleansing solution on the camera.

2. If the holes of the microphone, heat dissipation slots, or other parts of the camera are blocked by sand or other foreign matter, rinse with fresh water while the camera is in a sealed waterproof state.
3. DO NOT remove the lens protective cover frequently to avoid dust accumulating inside the lens cover, which can affect shooting quality.
4. Clean the lens with a lens cleaning pen, lens air blower, or lens cleaning cloth.
5. Make sure the quick-release slots on the camera are clear of dust and sand when attaching the Quick-Release Adapter Mount.
6. If the contacts are wet or dirty, clean them with a soft, dry cloth before connection to avoid short circuits or corrosion.

Battery

1. Discharge and charge the battery completely once every three months to keep it in good condition.
2. When the battery voltage is too low, the battery will enter low-power state. Charging the battery will exit low-power mode.
3. DO NOT store the battery for an extended period of time after fully discharging. Otherwise, the battery may over-discharge and cause irreparable damage.
4. Discharge the battery to 40-65% if it will not be used for 10 days or more. This can greatly extend the battery life.

4 Specifications

Visit the following website for specifications.

<https://www.dji.com/nano/specs>



Contact

DJI SUPPORT

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