

ORDRO HDR-AC3 4K@24fps

ORDRO Camcorder User Manual

Model: HDR-AC3 4K@24fps | Brand: ORDRO

INTRODUCTION

The ORDRO HDR-AC3 4K Camcorder is designed to capture high-quality video and photos, offering advanced features for various recording needs. With its Ultra HD 4K 2880x2160 (24FPS) video resolution and 13MP Sony IMX258 CMOS sensor, it delivers sharp and realistic image quality. The camcorder is equipped with a 3.1-inch capacitive IPS touch screen that rotates 270°, providing flexibility for different shooting angles.

Key features include 30X digital zoom, IR night vision for low-light conditions, and Wi-Fi connectivity for remote control via the "D Video" app. It supports recording while charging and includes a pause function for convenience. The comprehensive accessory kit, including an external microphone, wide-angle lens, LED video light, and handheld holder, enhances its versatility for professional and amateur users alike.

WHAT'S IN THE BOX

Your ORDRO Camcorder package includes the following components:

- ORDRO HDR-AC3 4K Camcorder
- Professional Carrying Case
- CM-550 External Microphone
- SL-80 LED Video Light
- FS-1 Wide Angle Lens (includes macro lens)
- LH-1 Lens Hood
- HC-1 Handheld Stabilizer
- Two (2) NP-120 Rechargeable Batteries
- Battery Charger
- USB Charger
- Camera Bag and Strap

- Card Reader (random color)
- Micro USB Cable
- USB Charging Cable (5 pin)
- HDMI Cable
- Hot Shoe Bracket
- English User's Manual

Support External Accessories

Support more accessories for professional recording and wide applications



Figure 1: All accessories included with the ORDRO Camcorder, as presented in the professional carrying case.



Figure 2: The ORDRO Camcorder with key accessories attached, demonstrating a typical setup for enhanced recording.

SAFETY INFORMATION

- The camera does not come with any memory cards; please purchase the SD card separately. Insert a standard SD card into the camera and format it before taking photos and videos. (We recommend using a Class 10 or above 4-128GB SD card).
- This camera does not have an automatic stabilization feature. We recommend mounting the camera on a standard tripod for video recording.
- This camera is a fixed zoom lens; please keep the focusing distance at 3 feet or more. If you need close-up shots, please use a macro lens and maintain a 1.5-2 inches distance from the object.

SETUP GUIDE

Follow these steps to set up your ORDRO Camcorder and its accessories for optimal performance.

Unboxing and Initial Inspection

Carefully unpack all components from the professional carrying case. Verify that all items listed in the "What's in the Box" section are present and undamaged.

Your browser does not support the video tag.

Video 1: ORDRO HDR-AC3 4K Camcorder Unboxing and Assembly Guide. This video demonstrates the unboxing process and step-by-step assembly of the camcorder and its accessories.

Component Assembly

- 1. Insert SD Card:** Open the SD card slot cover on the camcorder. Insert a Class 10 or above SD card (up to 128GB, not included) into the slot, ensuring correct orientation. Close the cover.
Refer to Video 1 (1:46 mark) for visual guidance on SD card insertion.
- 2. Install Battery:** Open the battery compartment. Insert one of the provided NP-120 rechargeable batteries, paying attention to the correct direction of entry. Close the compartment securely.
Refer to Video 1 (2:02 mark) for visual guidance on battery installation.
- 3. Attach Cold Shoe Bracket:** Slide the cold shoe bracket onto the hot shoe mount on top of the camcorder. Secure it by tightening the screw. This bracket provides additional mounting points for accessories.
Refer to Video 1 (2:18 mark) for visual guidance on cold shoe bracket installation.
- 4. Install External Microphone (CM-550):** Mount the CM-550 microphone onto the cold shoe bracket. Connect the microphone's cable to the camcorder's microphone input port using the provided 1-to-2 USB/mic adapter.
Refer to Video 1 (2:38 mark) for visual guidance on microphone installation.
- 5. Install LED Video Light (SL-80):** Attach the SL-80 LED video light to an available cold shoe mount on the camcorder or the cold shoe bracket. Ensure it is securely fastened.
Refer to Video 1 (3:12 mark) for visual guidance on LED video light installation.
- 6. Install Wide-Angle Lens (FS-1) and Lens Hood (LH-1):** Remove the protective cap from the camcorder's lens. Screw the FS-1 wide-angle lens onto the camcorder's lens thread. Then, attach the LH-1 lens hood to the wide-angle lens to reduce glare.
Refer to Video 1 (3:32 mark) for visual guidance on wide-angle lens and lens hood installation.
- 7. Attach Handheld Stabilizer (HC-1):** Secure the HC-1 handheld stabilizer to the bottom tripod mount of the camcorder. This provides a stable grip for handheld shooting.
Refer to Video 1 (4:08 mark) for visual guidance on handheld stabilizer installation.

Before shooting, ensure the SD card is formatted within the camera's settings. Also, turn on the external microphone if you intend to use it for audio recording.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press and hold the power button to turn the camcorder on or off.

- **Recording Video:** In video mode, press the record button to start recording. Press it again to stop. The camcorder supports a pause function during recording.
- **Taking Photos:** Switch to photo mode. Press the photo button to capture still images.
- **Zoom:** Use the zoom controls to adjust the 30X digital zoom.
- **Touch Screen:** Utilize the 3.1-inch capacitive IPS touch screen for navigating menus and settings. The screen can rotate 270° for flexible viewing.

IR Night Vision

The camcorder features infrared (IR) night vision, allowing you to record videos and take photos in dark environments where visible light is insufficient.

- **Activation:** Locate and press the IR button on the camcorder to activate night vision mode.
- **Usage:** Once activated, the camcorder will capture images using infrared light, rendering scenes in monochrome (black and white).

Wi-Fi Wireless Remote Control

Even when you are cooking in the kitchen, you can check your baby whether fall asleep, and give you piece of mind, without worries.



Use your phone or tablet download "D Video" APP to connect camcorder via wifi. Remote view, capture and video shooting. After enabled the camcorder wifi function, the wifi name and password are shown on the camcorder screen.

Tips: Effective distance is less than 9.8 feet. The wifi can not connect to your router.

WiFi
Wifi Monitoring
Remote Shooting
Connect Within 9.8 Feet

LIVE

Figure 3: Demonstrates the effectiveness of IR Night Vision in capturing clear images in dark conditions.

Wi-Fi Connection and Remote Control

Connect your camcorder to a smartphone or tablet via Wi-Fi to use the "D Video" app for remote control and live viewing.

- **App Download:** Scan the QR Code in the user manual or search for "D Video" on Google Play (Android) or Apple App Store (iOS).
- **Connect:** Enable Wi-Fi on the camcorder. The Wi-Fi name and password will be displayed on the screen. Connect your smart device to this network. Note: This Wi-Fi connection is for direct device-to-camcorder communication, not for connecting to a router.
- **Remote Functions:** Once connected, you can remotely view, capture, and control video shooting within an effective range of approximately 9.8 feet.

Charging While Recording



Figure 4: Remote control functionality via Wi-Fi, enabling convenient operation from a distance.

Charging While Recording

The camcorder supports recording while connected to a power source, ensuring uninterrupted operation for longer sessions.

Professional Carrying Case



Figure 5: The camcorder can be powered externally while recording, ideal for extended use.

USB and HDMI Output

The camcorder offers versatile connectivity options for viewing and data transfer.

- **HDMI Output:** Connect the camcorder to a 4K TV using the HDMI cable to display Ultra-HD 3840x2160@24FPS content.
- **USB Output:** Use the USB port for charging, connecting the camcorder to a computer as a webcam, or for data transmission.



Without mic vol



With mic vol

Figure 6: Connectivity options for displaying content and transferring data.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the camcorder body. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** When not in use, store the camcorder and its accessories in the provided professional carrying case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, fully charge batteries before first use. If storing for extended periods, charge them periodically to prevent deep discharge.
- **Firmware Updates:** Check the official ORDRO website periodically for any available firmware updates to ensure optimal performance and new features.

TROUBLESHOOTING

If you encounter issues with your ORDRO Camcorder, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Screen not working / Blank screen	Battery low, loose connection, software glitch.	Ensure battery is charged and properly inserted. Restart the camcorder. If issue persists, contact support.
Poor video quality (blurry, dark)	Incorrect focus distance, insufficient lighting, dirty lens, incorrect settings.	Ensure subject is 3 feet or more away (1.5-2 inches with macro lens). Use adequate lighting or IR night vision. Clean the lens. Check resolution settings.
Short battery life	Battery not fully charged, old battery, heavy usage (e.g., continuous recording, LED light).	Fully charge batteries. Use the provided charger. Consider purchasing additional batteries for extended use. Utilize the "charging while recording" feature.
SD card error / Cannot record	SD card not formatted, incompatible card, full card, damaged card.	Format the SD card in the camcorder. Ensure it's a Class 10 or above (4-128GB). Delete old files or use a new card.
Microphone not recording audio	Microphone not powered on, cable not properly connected, incorrect audio settings.	Ensure the external microphone is powered on. Verify all cable connections are secure. Check camcorder audio input settings.

For more detailed troubleshooting or persistent issues, please refer to the full user manual or contact ORDRO customer support.

SPECIFICATIONS

Feature	Detail
Model Number	HDR-AC3 4K@24fps
Video Capture Resolution	UHD 4K@24FPS / FHD 1080P@60FPS
Photo Sensor Technology	CMOS (Sony IMX258, 13MP)
Maximum Photo Pixels	24.0 MP (5600x4200 interpolation)
Screen Size	3.1 Inches (Capacitive IPS Touch Screen, 270° Rotation)
Digital Zoom	30X
Connectivity Technology	Wi-Fi, USB 2.0, HDMI 1.3
Flash Memory Type	SD (up to 128GB, Class 10 or above recommended)

Feature	Detail
Battery Type	Lithium Polymer (NP-120, 3.7V 1700mAh)
Item Weight	14.4 ounces
Product Dimensions	5 x 2.7 x 2.7 inches
Special Features	IR Night Vision, External Microphone Support, LED Light Support, Wide-Angle Lens Support, Handheld Holder, Recording while Charging, Pause Function

WARRANTY AND SUPPORT

ORDRO products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official ORDRO website. Keep your purchase receipt as proof of purchase for any warranty claims.

For additional resources, including FAQs and updated drivers, please visit the ORDRO support page.

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.

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Details

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