

ORDRO HDR-AC3

ORDRO HDR-AC3 4K Camcorder User Manual

Model: HDR-AC3

1. PRODUCT OVERVIEW

The ORDRO HDR-AC3 is a 4K Ultra HD camcorder designed for capturing high-quality video and photos. It features a Sony IMX258 CMOS sensor, IR night vision, Wi-Fi connectivity, and supports various external accessories for enhanced recording capabilities.



Image 1.1: The ORDRO HDR-AC3 4K Camcorder shown with its primary accessories, including the external microphone, LED video light, wide-angle lens, and handheld stabilizer.

Package Contents

Upon unboxing, verify that all items are present:

- Camcorder body
- 2 x NP-120 3.7V 1700mAh Li-ion Batteries
- 32GB Memory Card
- External Microphone (CM-550)
- LED Video Light (SL-80)
- 0.39X Super Wide Angle Lens (FS-1)
- Lens Hood (LH-1)
- Handheld Stabilizer (HC-1)
- USB/Battery Charger
- USB Cable
- HDMI Cable
- Card Reader

- Camcorder Bag
- Lens Cover
- Cold Shoe Bracket
- User Manual



Image 1.2: A visual representation of all items included in the professional carrying case for the ORDRO HDR-AC3 camcorder.

2. COMPONENT IDENTIFICATION

Familiarize yourself with the camcorder's various parts and controls.



Image 2.1: Detailed diagram illustrating the location and function of each component on the ORDRO HDR-AC3 camcorder, including the lens, screen, buttons, and ports.

- **Camera Lens:** Main optical component for capturing images.
- **Hot Shoe:** Mount for external accessories like microphones or LED lights.
- **Zoom In/Out:** Controls the digital zoom function.
- **LED Light:** Built-in fill light.
- **Infrared Night Vision Light:** Emits IR light for recording in dark conditions.
- **3.1-inch IPS Touch Screen:** Capacitive display for viewing and menu navigation.
- **Photo Button:** Captures still images or pauses/resumes video recording.
- **MODE Switch:** Toggles between different operating modes.
- **Video Recording Button (START/STOP):** Initiates and ends video recording.
- **IR Night Vision Switch:** Activates or deactivates infrared night vision.
- **Battery Compartment:** Houses the rechargeable battery.
- **USB Interface:** For charging, data transfer, and webcam function.
- **HDMI Interface:** For connecting to external displays.

- **Indicator Light:** Shows device status.
- **Power Button:** Turns the camcorder on/off.
- **SD Card Slot:** For inserting the memory card.

3. SETUP

3.1 Battery Installation and Charging

1. Open the battery compartment cover.
2. Insert the NP-120 Li-ion battery, ensuring correct polarity.
3. Close the battery compartment cover.
4. To charge, connect the camcorder to the USB/Battery Charger using the USB cable. The indicator light will show charging status.
5. Ensure batteries are fully charged before first use (approximately 3 hours for IR night vision function).

3.2 Memory Card Installation and Formatting

1. Locate the SD card slot.
2. Insert the 32GB memory card (Class 10 or above recommended) into the slot until it clicks into place.
3. Turn on the camcorder.
4. Navigate to the system settings menu on the touch screen.
5. Select the 'Format' option for the SD card and confirm. This prepares the card for recording.

3.3 Attaching Accessories

The camcorder supports various external accessories to enhance functionality.

Support External Accessories

Support more accessories for professional recording and wide applications



Image 3.1: Illustration detailing the attachment points for the SL-80 LED Video Light, CM550 Microphone, HC-1 Handheld Stabilizer, FS-1 Wide Angle Lens, and LH-1 Lens Hood.

- **External Microphone (CM-550):** Mount onto the hot shoe and connect via the adapter cable. This enhances audio quality with super-cardioid pickup technology.
- **LED Video Light (SL-80):** Mount onto the hot shoe to provide additional illumination, especially in low-light conditions.
- **Wide Angle Lens (FS-1):** Attach to the front of the camcorder lens to capture a broader field of view.
- **Lens Hood (LH-1):** Attach to the lens to prevent glare and lens flare.
- **Handheld Stabilizer (HC-1):** Attach the camcorder to the stabilizer for improved stability during handheld recording.

4. OPERATING INSTRUCTIONS

4.1 Basic Video Recording

1. Press the Power Button to turn on the camcorder.
2. Ensure the camcorder is in video recording mode (check the MODE switch or screen icon).
3. Press the Video Recording Button (START/STOP) to begin recording. A red indicator will typically appear on the screen.

4. To pause recording, press the Photo Button once. Press it again to resume recording.
5. Press the Video Recording Button (START/STOP) again to stop recording.

4.2 IR Night Vision

The camcorder features built-in infrared light for recording in dark environments.

1. Ensure the battery has been charged for at least 3 hours for optimal IR performance.
2. Toggle the IR Night Vision Switch to activate the function. The image will change from color to black and white.
3. The effective range for IR night vision is approximately 16 feet.



Image 4.1: A visual comparison demonstrating the difference between footage captured without IR Night Vision (left) and with IR Night Vision activated (right) in low-light conditions.

4.3 Wi-Fi Connection and Remote Control

Connect the camcorder to your smartphone or tablet via Wi-Fi for remote control and live viewing.

1. Download the "D Video" app from your smartphone's app store.
2. Turn on the camcorder and set the mode button to "SET".

3. Touch the camcorder screen and select the Wi-Fi icon.
4. The Wi-Fi name (SSID: HDV) and password (PWD: 12345678) will be displayed on the camcorder screen.
5. On your smartphone/tablet, go to Wi-Fi settings, find the Wi-Fi name "HDV", and enter the password.
6. Open the "D Video" app to remotely control the camera recording.
7. To disconnect Wi-Fi, press the "PHOTO" button on the camcorder.

Note: The effective Wi-Fi distance is less than 9.8 feet. The camcorder cannot connect to your home router.



Image 4.2: A step-by-step guide demonstrating how to establish a Wi-Fi connection between the camcorder and a mobile device using the "D Video" application for remote control.

4.4 Webcam Function

The ORDRO HDR-AC3 can function as a webcam for live streaming or video calls.

1. Connect the camcorder to your computer using a USB cable.
2. On the camcorder screen, select "PC camera".
3. Press the "Photo" button to confirm. Your computer will automatically install the necessary drivers.
4. The camcorder is now ready to be used as a webcam in your preferred application.

4.5 Time-Lapse Recording

The time-lapse mode compresses long events into short, captivating videos.

- Access the time-lapse settings through the camcorder's menu.
- Select your desired interval and duration for the time-lapse sequence.
- Start recording, and the camcorder will capture images at set intervals to create the time-lapse video.

4.6 Connecting to TV/Display

View your recordings on a larger screen using the HDMI output.

1. Connect the camcorder to a 4K TV or computer monitor using the provided HDMI cable.
2. Ensure the TV/monitor input is set to the correct HDMI port.
3. The camcorder's display will mirror or output to the external screen.



Image 4.3: The camcorder demonstrating its capability as a live webcam output when connected to a laptop via USB, and its HDMI TV output when connected to a television.

5. MAINTENANCE

5.1 General Care

- Keep the camcorder away from dust, moisture, and extreme temperatures.
- Avoid dropping or subjecting the camcorder to strong impacts.
- Store the camcorder in its carrying case when not in use.

5.2 Cleaning

- Use a soft, dry cloth to clean the camcorder body.
- For the lens, use a specialized lens cleaning cloth and solution. Avoid touching the lens surface with bare hands.
- Do not use harsh chemicals or abrasive cleaners.

5.3 Battery Care

- Fully charge batteries before extended storage.
- Remove batteries from the camcorder if it will not be used for a long period.
- Dispose of old batteries responsibly according to local regulations.

6. TROUBLESHOOTING

- **Image is blurry/out of focus:** This camera has a fixed zoom lens. Ensure the focusing distance is 3 feet or more. For close-up shots, use a macro lens and maintain a distance of 1.5-2 inches from the object.
- **Remote control not working:** Ensure the wide-angle lens is removed when using the remote control, as it may obstruct the IR signal hole.
- **Poor sound/image quality:** For optimal viewing and listening experience, upload videos to a 4K TV or computer.
- **Camcorder not turning on:** Check if the battery is correctly inserted and fully charged.
- **SD card error:** Ensure the SD card is properly inserted and has been formatted within the camcorder.

7. SPECIFICATIONS

Feature	Specification
Sensor	Sony IMX258 CMOS Sensor (24M by interpolation)
Video Resolution	UHD: 2880x2160@24fps, QHD: 2560x1440@30fps, FHD: 1920x1080@60fps, HD: 1080x720@120fps, VGA: 640x480@30fps
Image Resolution	24M / 20M / 16M / 13M / 10M / 7M(HD) / 5M / 3M / 2M(HD) / VGA
Image Format	JPEG
Video Format	H.264 / MP4
LCD Screen	3.1" capacitive IPS touch screen
External Storage	Supports up to 128GB Memory Card (Class 10 or above)

