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Dahua Technologies IMOU 4-Channel Wi-Fi NVR with 4 Bullet Lite Cameras

Dahua Technologies IMOU 4-Channel Wi-Fi NVR with 4 Bullet Lite Cameras - User Manual

Model: IMOU 4-Channel Wi-Fi NVR with 4 Bullet Lite Cameras

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Dahua Technologies IMOU 4-Channel Wi-Fi NVR with 4 Bullet Lite Cameras. This wireless security system is designed to provide reliable surveillance for your home or business. Please read this manual thoroughly before using the product to ensure proper setup and functionality.



Image 1.1: The complete IMOU 4-Channel Wi-Fi NVR system, showing the NVR unit and four bullet-style cameras with antennas.

2. Package Contents

Verify that all items listed below are present in your package. If any items are missing or damaged, contact your retailer.

- 1 x Wireless Recorder (NVR)

- 4 x Bullet Lite Cameras
- 1 x Network Cable
- 1 x Quick Start Guide
- 1 x Screw Package
- 1 x Power Adapter (for NVR)
- 4 x Power Adapters (for cameras)
- 1 x Mouse



Image 2.1: The IMOU Wireless Recorder (NVR) unit, a black rectangular device with two antennas and the IMOU logo.



Image 2.2: A single IMOU Bullet Lite Camera, white with a black front, featuring an antenna and a wall-mount base.

3. Product Features

The IMOU Wireless Security System offers a range of features designed for effective surveillance:

- **Easy Setup:** Automatic pairing between the wireless recorder and cameras upon power-on.
- **1080P FHD Video:** High-definition video recording for clear images.
- **H.265 Video Compression:** Efficient video encoding to save storage space.
- **Dual Antenna Wi-Fi Connection:** Enhanced wireless signal coverage and stability (IEEE802.11b/g/n, 2.4Ghz, up to 100m/328ft in open field).
- **Built-in Microphone:** High-quality audio pickup for monitoring.
- **Alarm Notification:** Instant motion-activated alerts sent to your mobile phone.
- **Camera Repeater Function:** Cameras can extend Wi-Fi distance for other cameras.
- **Mass Storage:** Supports up to 8TB HDD storage.
- **Two-way Talk:** Real-time communication capability (if supported by camera model and app).
- **Imou App:** Remote monitoring, live video, playback, and storage management.



Image 3.1: An infographic detailing the features of the IMOU Wireless Recorder, including 1080P FHD Video, Dual Antenna, Automatic Pairing, Camera Repeater, Smart H.265 Codec, Mass Storage, Two-way Talk, and Imou App.

4. Setup Guide

4.1 Initial System Setup

1. **Connect the NVR:**
    - Connect the NVR to a power source using the provided power adapter.
    - Connect the NVR to a monitor via the HDMI or VGA port.
    - Connect the included mouse to a USB port on the NVR.

- (Optional) Connect the NVR to your router using the network cable for internet access and remote viewing.

2. **Power On Cameras:**
   - Connect each camera to its respective power adapter and plug them into an electrical outlet.
   - Place cameras within Wi-Fi range of the NVR.
3. **Automatic Pairing:**
   The NVR and cameras are designed to automatically pair within 120 seconds after booting. Once paired, the camera feeds will appear on the connected monitor.
4. **NVR Configuration:**
   Follow the on-screen prompts on the monitor to complete the initial NVR setup, including setting date/time, network settings, and password.

4.2 Adding a New Camera

To add an additional camera to your system, power on the new camera and then access the NVR's menu. Select the option to add a new camera, typically found under "Camera Management" or "Wireless Pairing." The NVR will search for and pair with the new camera automatically.

5. Operation

5.1 Local Monitoring

Once cameras are paired, live video feeds will be displayed on the monitor connected to the NVR. Use the mouse to navigate the NVR interface, view individual camera feeds, access playback, and adjust settings.

5.2 Remote Monitoring (Imou App)

1. **Download the Imou App:** Search for "Imou Life" in your mobile device's app store and install it.
2. **Create an Account:** Register for an Imou account or log in if you already have one.
3. **Add Device:** In the app, tap the "+" icon to add a new device. Scan the QR code on your NVR or manually enter its serial number.
4. **Connect to Network:** Ensure your NVR is connected to the internet via an Ethernet cable. Follow the app's instructions to complete the network configuration.
5. **View Live Feed:** Once added, you can view live video, access recorded footage, and receive alerts from your mobile device.

5.3 Alarm Notifications

The system is configured to send instant motion-activated alerts to your mobile phone via the Imou App. Ensure notifications are enabled in both your phone's settings and the Imou App settings for the NVR.



Image 5.1: A smartphone screen showing a push notification from the Imou app, indicating motion detection in a monitored area.

5.4 Two-Way Talk

If your cameras support two-way talk, you can use the Imou App to communicate through the camera's built-in speaker and microphone. Access the live view of the desired camera in the app and look for the microphone icon to initiate two-way communication.

5.5 Cloud Service

The Imou Cloud Service provides options for live video streaming, recorded video playback, and secure cloud storage. Access these features through the Imou App. Subscription may be required for certain cloud functionalities.

6. Maintenance

6.1 General Care

- Keep the NVR and cameras clean by wiping them with a soft, dry cloth.
- Avoid using harsh chemicals or abrasive cleaners.
- Ensure the NVR is placed in a well-ventilated area to prevent overheating.
- Regularly check cable connections for security.

6.2 Firmware Updates

Periodically check for firmware updates for both the NVR and cameras via the Imou App or the NVR's system settings. Firmware updates can improve performance, add new features, and enhance security.

6.3 Hard Drive Management

If an internal hard drive is installed, monitor its health and storage capacity through the NVR's system settings. Configure recording schedules and overwrite settings as needed to manage storage efficiently.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No video display on monitor	NVR not powered on; Monitor not connected; Incorrect input source on monitor.	Check NVR power adapter; Ensure HDMI/VGA cable is secure; Select correct input on monitor.
Cameras not pairing/showing video	Cameras not powered on; Out of NVR Wi-Fi range; Interference; Pairing failed.	Check camera power; Move cameras closer to NVR; Reduce Wi-Fi interference; Re-attempt pairing via NVR menu.
No remote access via Imou App	NVR not connected to internet; Incorrect network settings; App login issues.	Ensure NVR is connected to router via Ethernet; Verify network settings on NVR; Check internet connection; Re-login to Imou App.
Motion detection alerts not received	Notifications disabled in app/phone settings; Motion detection not configured.	Enable notifications in Imou App and phone settings; Configure motion detection zones and sensitivity in NVR/App.

8. Specifications

NVR (Wireless Recorder)

- **IP Camera Input:** 4/8 Channels (This model is 4-channel)
- **Wired Max. Input:** 40Mbps
- **Wireless Max. Input:** 16Mbps
- **Operation Display:** WEB/GUI/Imou App
- **Video Output:** 1 HDMI / 1 VGA
- **Video Resolution:** 1080P/720P
- **Max Decoding:** 1ch@6MP/2ch@4MP/4ch@1080P/8ch@720P
- **Video Compression:** H.265+/H.265/H.264+/H.264
- **Audio Compression:** G.711A/G.711U/PCM/G726
- **Storage:** Up to 8TB HDD/Cloud Storage
- **Wi-Fi:** IEEE802.11b/g/n, 2.4Ghz, 100m Open Field, Dual-antenna, 2x2 MIMO
- **Power Supply:** DC12V 1.5A
- **Power Consumption:** <10W (without HDD)
- **Operating Conditions:** -10°C ~ +45°C (+14°F ~ +104°F), 10%~90%RH
- **Dimensions (W x L x H):** 260.3mm x 247.3mm x 44.7mm (10.25" x 9.74" x 1.76")
- **Net Weight:** 0.824kg (1.82lb)
- **Certification:** CE/FCC

Bullet Lite Cameras

- **Video Capture Resolution:** 1080p
- **Connectivity Technology:** Wireless
- **Special Features:** Wireless, Built-in Microphone
- **Low-light Technology:** Night color (implies enhanced night vision)
- **Power Source:** Corded Electric

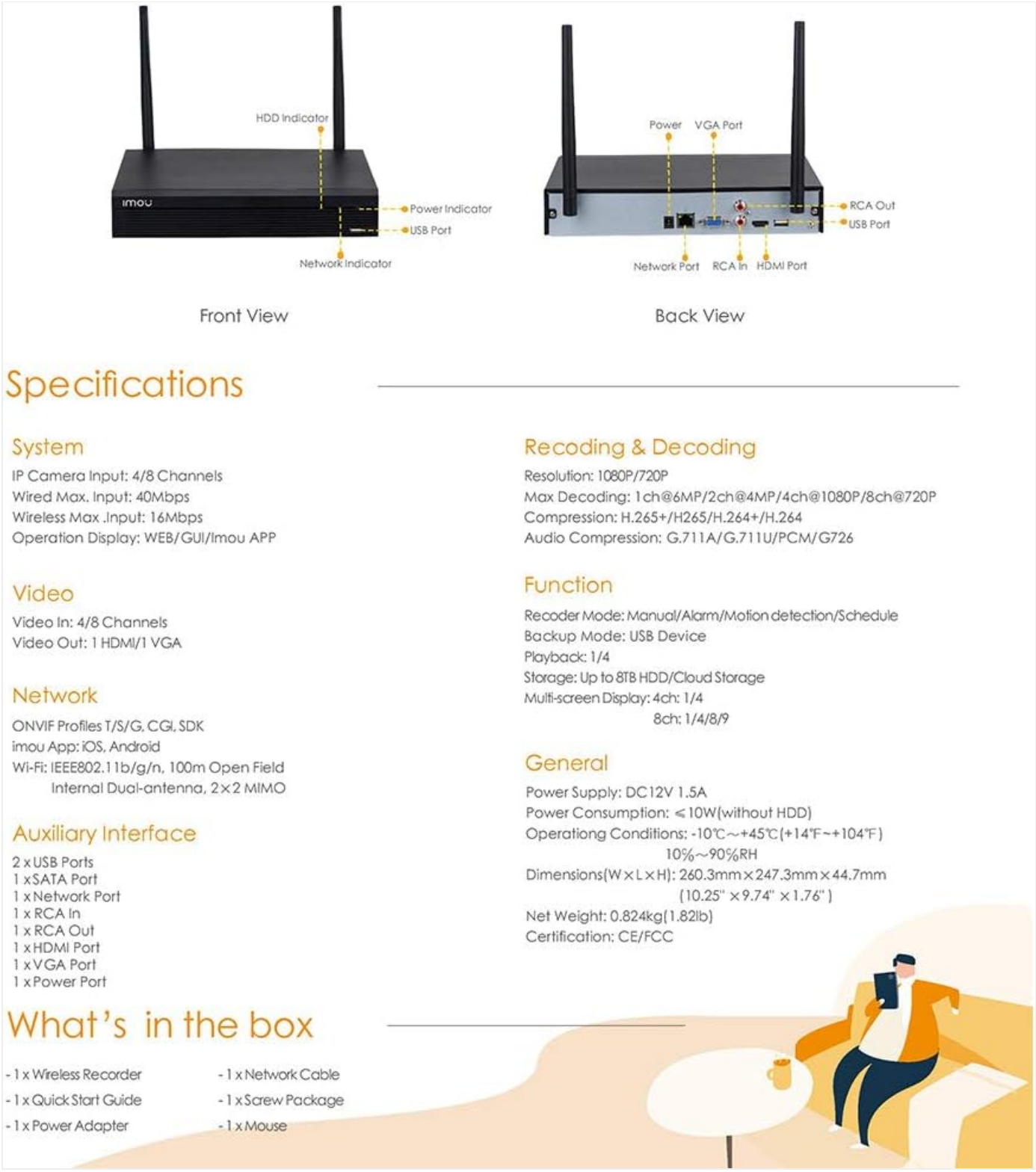


Image 8.1: Detailed views of the IMOU NVR, showing the front panel with USB port and indicators, and the back panel with power input, VGA, HDMI, RCA, USB, and network ports.

9. Safety Information

- Use only the power adapters provided with the system.
- Do not expose the NVR or cameras to water or excessive moisture.
- Avoid placing the NVR in direct sunlight or near heat sources.
- Ensure proper ventilation for the NVR to prevent overheating.
- Do not attempt to disassemble or repair the devices yourself. Contact qualified personnel for service.
- Install cameras securely to prevent them from falling.

10. Warranty and Support

For warranty information, please refer to the warranty card included in your product packaging or visit the official Dahua Technologies or Imou website. For technical support, troubleshooting assistance, or service inquiries, please contact your local retailer or the official customer support channels provided by Dahua Technologies/Imou.

Manufacturer: Zhejiang Dahua Technology Co., Ltd.

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