ANNKE I91DM

ANNKE C800 4K PoE Security Camera User Manual

Model: I91DM

1. Introduction

The ANNKE C800 4K PoE Security Camera is designed to provide robust and intelligent surveillance for your home or business. With its advanced features, including 4K Ultra HD resolution, AI-powered human and vehicle detection, and versatile night vision modes, it offers reliable and clear monitoring day and night. This manual will guide you through the installation, operation, and maintenance of your new security camera.



Figure 1.1: ANNKE C800 4K PoE Security Camera in a residential setting.

2. What's in the Box

Before you begin, please ensure all components are present:

- 1 x 4K IP PoE Camera
- 1 x User Manual
- 1 x Mounting Screws Kit
- 1 x 1M Network Cable
- 1 x Surveillance Sign

What's in the Box



PoE Camera*1



Ethernet Cable (1m/3.3ft)*1



Waterproof Lid*1



User Manual*1



Mounting Screw Bag*1

Figure 2.1: Included components with the ANNKE C800 camera.

3. Setup

3.1 Physical Installation & PoE Connection

The ANNKE C800 camera utilizes Power over Ethernet (PoE) for simplified installation. A single Ethernet cable provides both power and data transmission. Connect the camera to a PoE-enabled NVR or a PoE injector using the provided network cable.

3.2 App Configuration (ANNKE Vision App)

To access and control your camera remotely, download and configure the ANNKE Vision app on your smartphone or tablet. Follow the in-app instructions for device registration and adding your camera.

Video 3.1: Guide to setting up the ANNKE Vision App for your security camera.

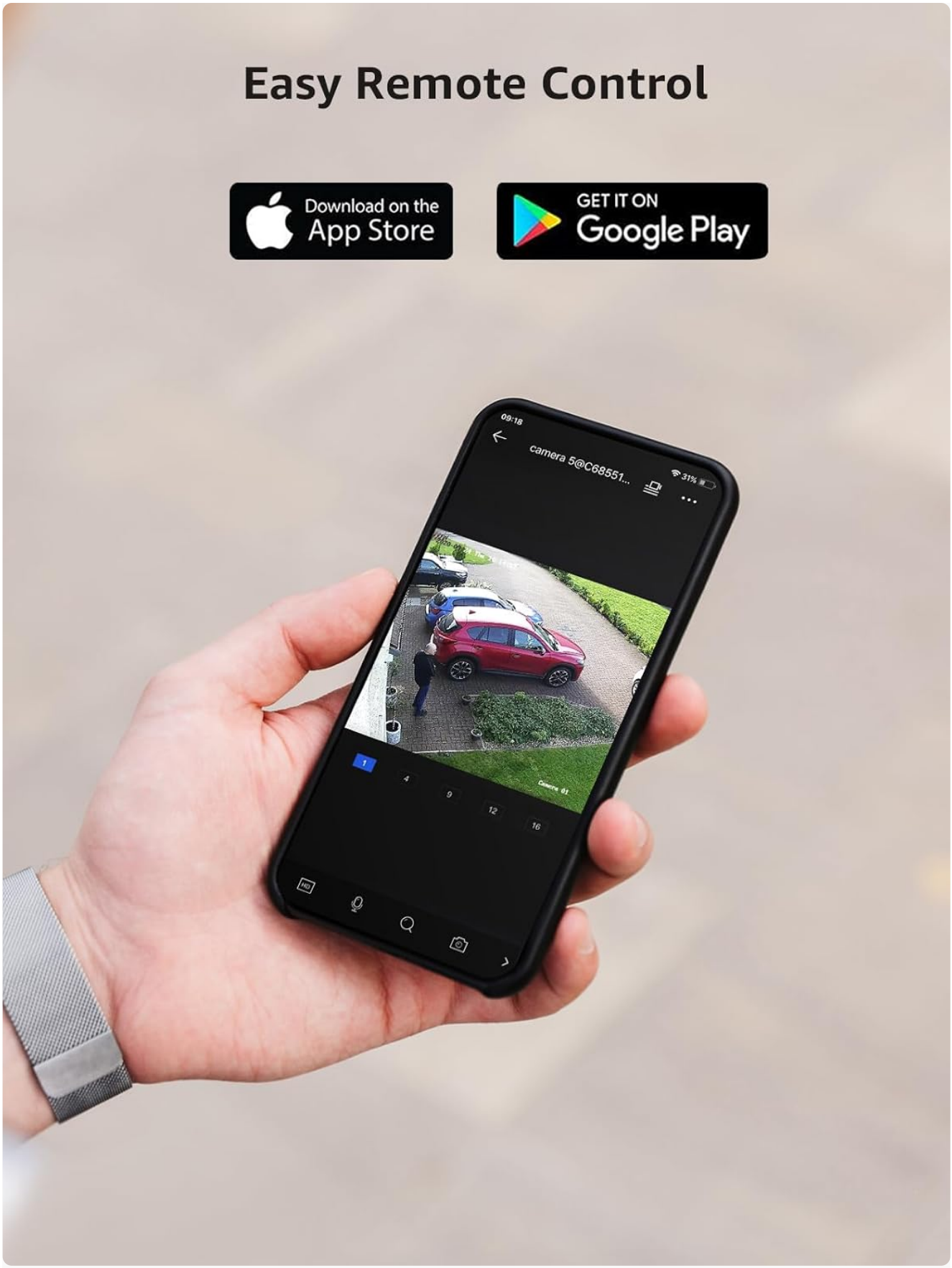


Figure 3.1: Easy remote control via the ANNKE Vision app.

3.3 MicroSD Card Initialization

For local storage, insert a MicroSD card (up to 512GB, not included) into the camera's slot. Initialize the card through the ANNKE Vision app settings to ensure proper recording functionality. This step is crucial for the camera to save video footage.

4. Operating Your Camera

4.1 Video Quality & Clarity

Experience exceptional 4K UHD (3840x2160) resolution, providing clear and detailed images. The camera incorporates 120 dB true WDR (Wide Dynamic Range), 3D DNR (Digital Noise Reduction), BLC (Backlight Compensation), and HLC (Highlight Compensation) technologies to ensure optimal image quality in various lighting conditions.



Figure 4.1: Visual comparison demonstrating the clarity of 4K resolution.



Figure 4.2: New-Trend 4K definition provides superior clarity and detail.

Video 4.1: Overview of the ANNKE C800 4K PoE Security Camera's features and capabilities.

4.2 AI Human & Vehicle Detection

The camera's advanced algorithms enable precise detection of humans and vehicles, significantly reducing false alarms triggered by environmental factors like waving trees or falling leaves. You will receive timely snapshots and notifications only for relevant events.



Figure 4.3: Intelligent motion detection accurately identifies humans and vehicles.

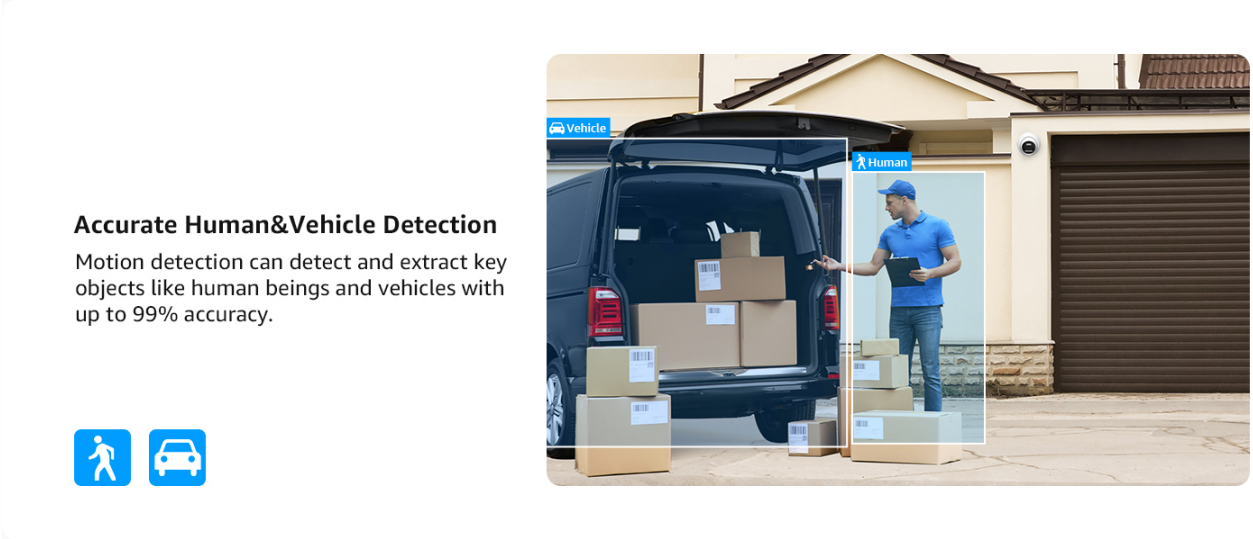


Figure 4.4: Motion detection extracts key objects with up to 99% accuracy.

Video 4.2: Short clip demonstrating the ANNKE C800's 4K PoE security camera capabilities.

4.3 Night Vision Modes

The camera offers three night vision modes: Black & White Vision (standard IR), Color Night Vision (requires ambient light), and Smart Dual Light (activates spotlight upon detection for color vision). EXIR 2.0 night vision with smart IR provides up to 100 ft of clear visibility.



Figure 4.5: Choose from three distinct night vision modes for optimal clarity.

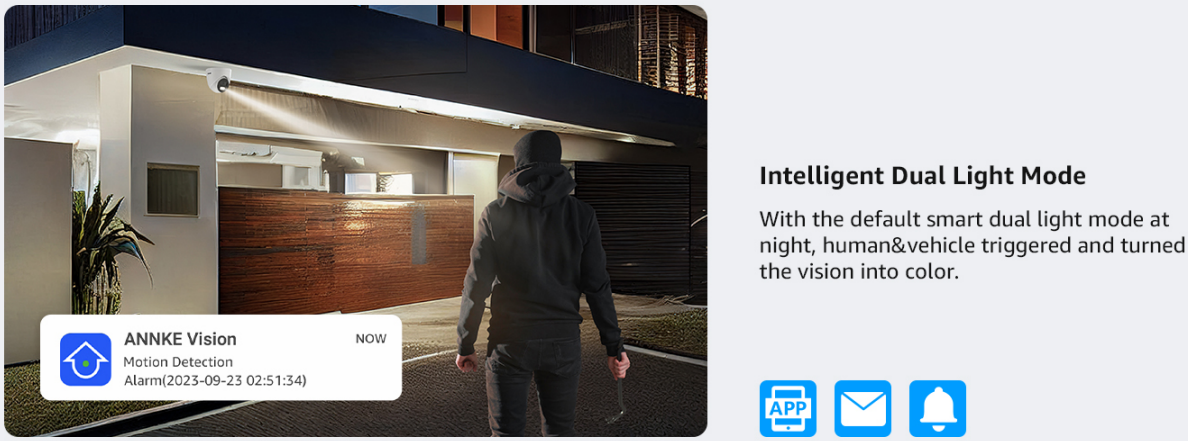


Figure 4.6: Smart dual light mode provides color vision when human/vehicle is detected at night.

4.4 Audio Features

The built-in microphone allows for noise-canceling audio recording, capturing sound simultaneously with video footage to enhance your security monitoring.



Figure 4.7: The camera features a listen-in mic for noise-canceling audio recording.

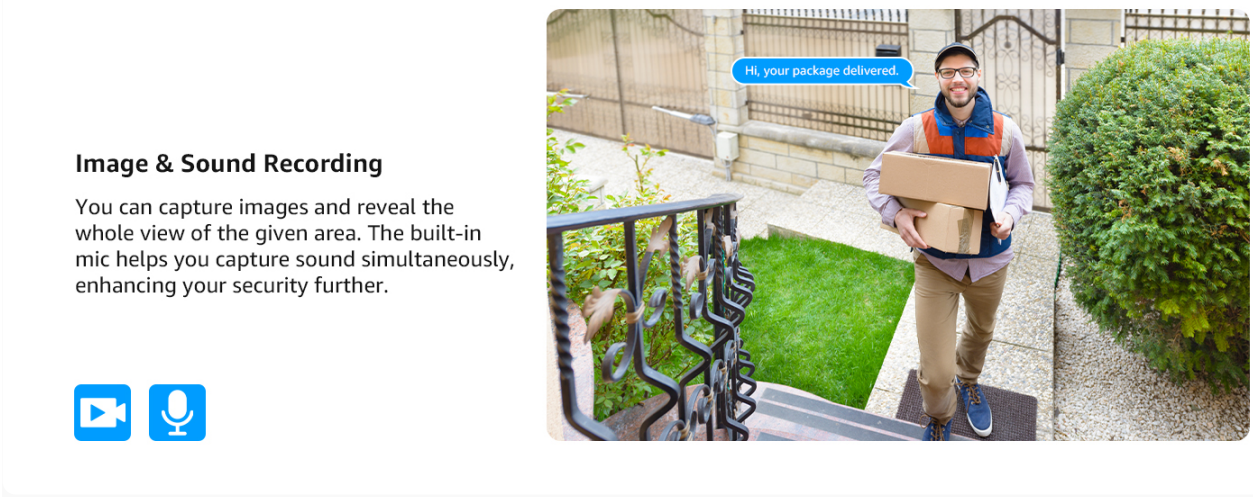


Figure 4.8: Capture images and sound simultaneously for comprehensive security.

4.5 Remote Access & Monitoring

Access and control your 4K IP PoE camera remotely using the free ANNKE Vision software and app on your smartphone, tablet, or computer. This allows you to monitor your property from anywhere with an internet connection.



Figure 4.9: Customize monitoring areas to focus on specific zones of interest.

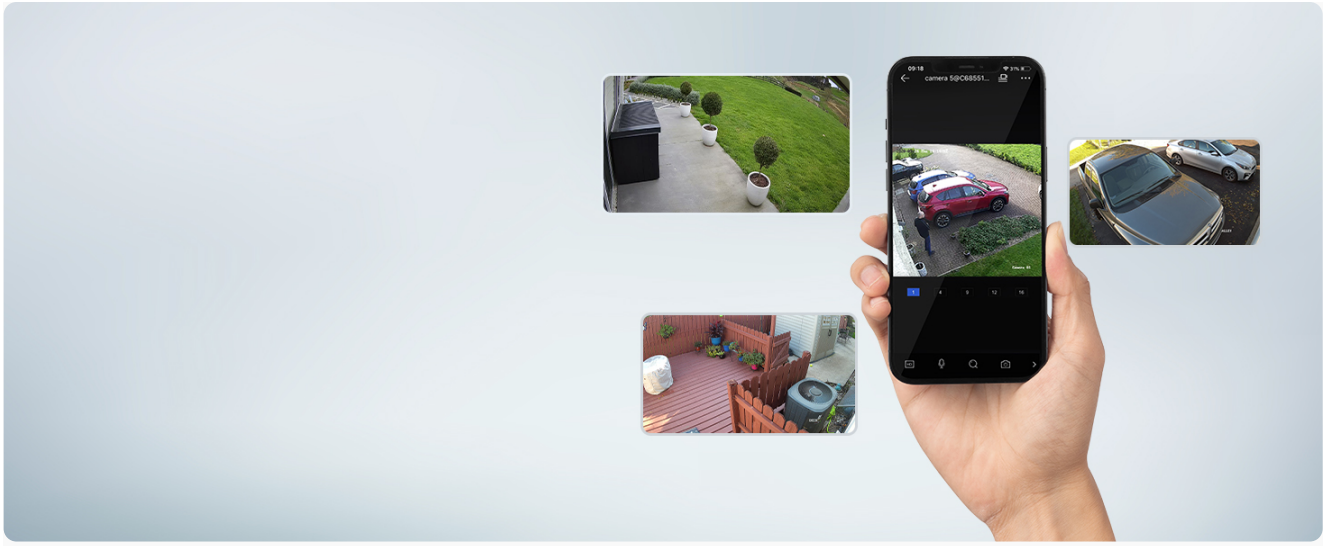


Figure 4.10: View multiple camera feeds simultaneously on your mobile device.

4.6 Video Compression

The camera supports H.265+ video compression, which significantly reduces file sizes while maintaining high video quality. This allows for more efficient storage and reduced bandwidth usage compared to older compression standards like H.264.



Figure 4.11: H.265+ compression offers up to 75% storage reduction.

Video 4.3: Demonstration of the ANNKE C800 PoE security camera's features.

Video 4.4: A short overview of the ANNKE C800 4K PoE security camera.

5. Maintenance

To ensure the longevity and optimal performance of your ANNKE C800 camera, follow these maintenance guidelines:

- **Regular Cleaning:** Gently wipe the camera lens and body with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners.
- **Firmware Updates:** Periodically check for firmware updates via the ANNKE Vision app or ANNKE's official website. Keeping your firmware updated ensures the latest features and security patches.
- **Cable Inspection:** Inspect the Ethernet cable and connections regularly for any signs of wear or damage,

especially if installed outdoors.

- **Environmental Protection:** While the camera is IP67 weatherproof, ensure it is installed in a location that minimizes direct exposure to extreme weather conditions if possible, to prolong its lifespan.

6. Troubleshooting

If you encounter issues with your ANNKE C800 camera, refer to the following common problems and solutions:

- **No Video Feed:**
  - Check the PoE connection to ensure the camera is receiving power and data.
  - Verify the network cable is securely connected to both the camera and the NVR/router.
  - Ensure your NVR or network device is functioning correctly.
- **Poor Image Quality:**
  - Clean the camera lens to remove any smudges or dirt.
  - Check the camera's resolution settings in the app; ensure it's set to 4K UHD.
  - Adjust BLC/HLC or WDR settings in the app for challenging lighting conditions.
- **False Motion Alerts:**
  - Adjust the motion detection sensitivity in the ANNKE Vision app.
  - Define specific motion detection areas to exclude irrelevant zones (e.g., swaying trees).
  - Ensure AI human/vehicle detection is enabled to filter out non-human/vehicle movements.
- **Remote Access Issues:**
  - Verify your internet connection on both the camera's network and your mobile device.
  - Ensure the ANNKE Vision app is updated to the latest version.
  - Check firewall settings on your router if you are experiencing connectivity blocks.

For further assistance, please contact ANNKE customer support.

7. Specifications

Feature	Specification
Model Name	I91DM
Video Capture Resolution	4K (3840 x 2160)
Effective Still Resolution	8 MP
Connectivity Technology	Wired (PoE)
Power Source	Corded Electric
International Protection Rating	IP67 (Weatherproof)
Night Vision Range	100 Feet

Feature	Specification
Viewing Angle	123 Degrees
Frame Rate	15 fps
Storage Support	Up to 512GB TF Card (not included)
Item Dimensions L x W x H	6 x 6 x 5 inches
Item Weight	1.2 Pounds
Material	Crystal, Plastic, Metal
Operating Temperature	-40°F to 140°F (-40°C to 60°C)



Figure 7.1: Product dimensions of the ANNKE C800 camera.

8. Warranty & Support

ANNKE products are designed for reliability and performance. For specific warranty details, please refer to the

warranty information provided at the time of purchase or visit the official ANNKE website. ANNKE offers lifetime technical support for its products.
For any inquiries, technical assistance, or warranty claims, please contact ANNKE customer support through their official channels. You may also consider purchasing extended protection plans for additional coverage.

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