ANNKE NC800

ANNKE NC800 4K/8MP PoE Security Camera Instruction Manual

Model: NC800

Introduction | Package Contents | Product Overview | Setup | Operating | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ANNKE NC800 4K/8MP PoE Security Camera. Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.
The ANNKE NC800 camera features 4K/8MP Ultra HD resolution, NightChroma color night vision, AI detection for humans and vehicles, IP67 weatherproofing, and a built-in micro SD card slot for local storage.

2. Package Contents

Verify that all components are present in your package:

- ANNKE NC800 4K/8MP PoE Security Camera (Quantity as purchased, e.g., 4 cameras)
- Mounting Screw Bag
- User Manual (this document)
- Waterproof Connector for Ethernet Cable
- Drill Template Sticker



Image: Four ANNKE NC800 PoE Security Cameras, showing the bullet-style design with integrated lights and mounting brackets.

3. Product Overview

The ANNKE NC800 is a high-performance PoE IP camera designed for outdoor surveillance. Key features include:

- **4K/8MP Ultra HD Resolution:** Provides clear and detailed video footage.
- **NightChroma Color Night Vision:** F1.0 super aperture lens and supplemental lighting enable full-color video in low-light conditions up to 130 ft.
- **AI Detection:** Advanced algorithms differentiate between humans and vehicles, reducing false alarms. Supports Line Crossing, Intrusion, Region Entrance, and Region Exiting detection.
- **PoE Connectivity:** Power over Ethernet simplifies installation with a single cable for power and data.
- **IP67 Weatherproof:** Durable metal housing protects against harsh weather conditions (-22°F to 140°F / -30°C to 60°C).
- **Built-in Microphone:** Captures audio for enhanced surveillance.
- **Micro SD Card Slot:** Supports up to 256GB for local storage (card not included).

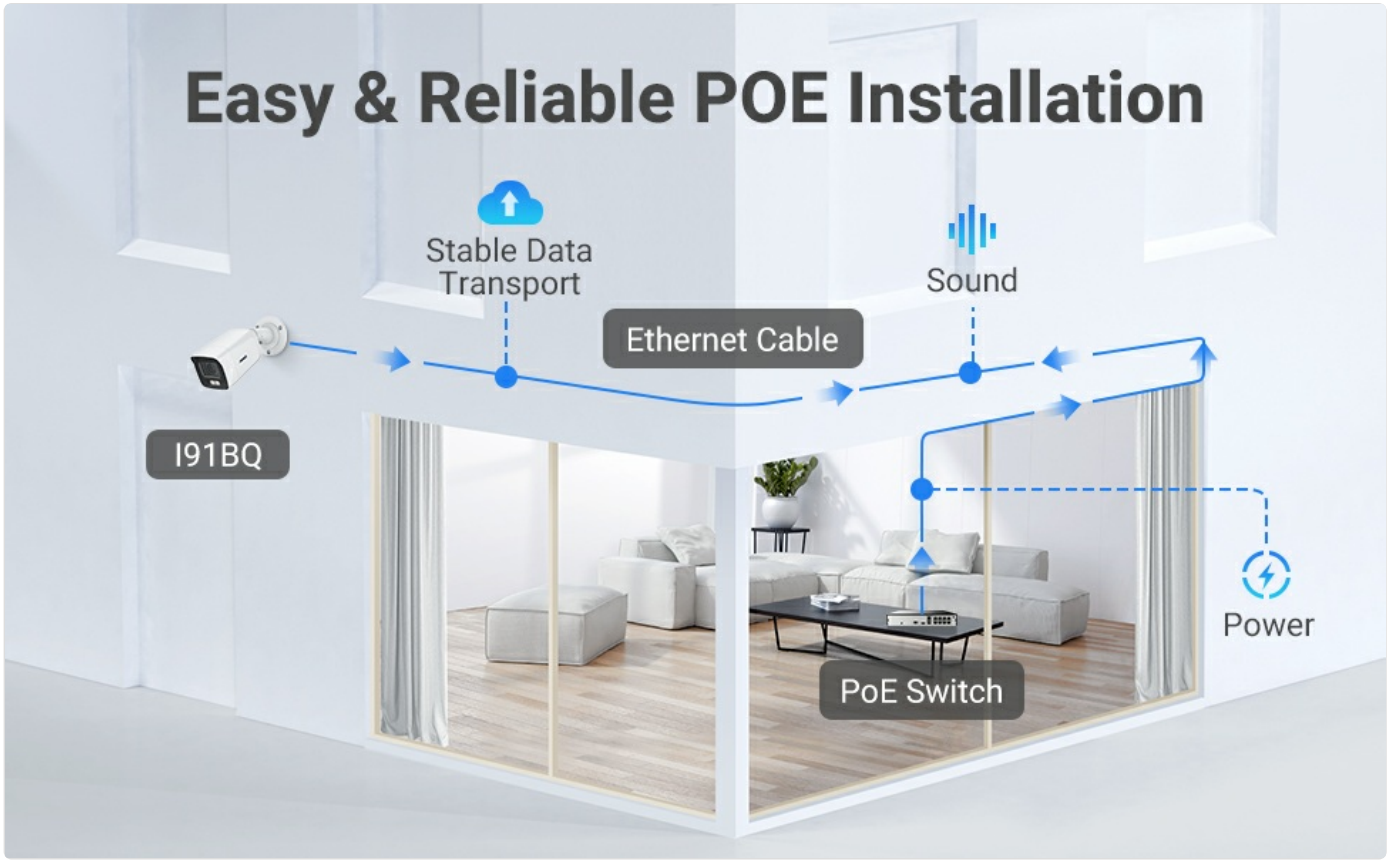


Image: Diagram highlighting key features of the ANNKE NC800 camera, including F1.0 Super Aperture, 1/1.2" BSI Sensor, Active Alignment Tech, and 130 ft Supplement Light.

4. Setup

4.1 Physical Installation

1. **Choose a Mounting Location:** Select a location that provides the desired viewing angle and is within reach of an Ethernet cable connection to your NVR or PoE switch. Ensure the camera is mounted securely.
2. **Prepare the Surface:** Use the provided drill template sticker to mark the screw holes on the wall or ceiling. Drill pilot holes if necessary.
3. **Mount the Camera:** Secure the camera's mounting base to the surface using the supplied screws. Adjust the camera angle as needed.
4. **Connect Ethernet Cable:** Connect a Cat5e or higher Ethernet cable to the camera's PoE port. Use the waterproof connector to protect the connection from moisture, especially for outdoor installations.

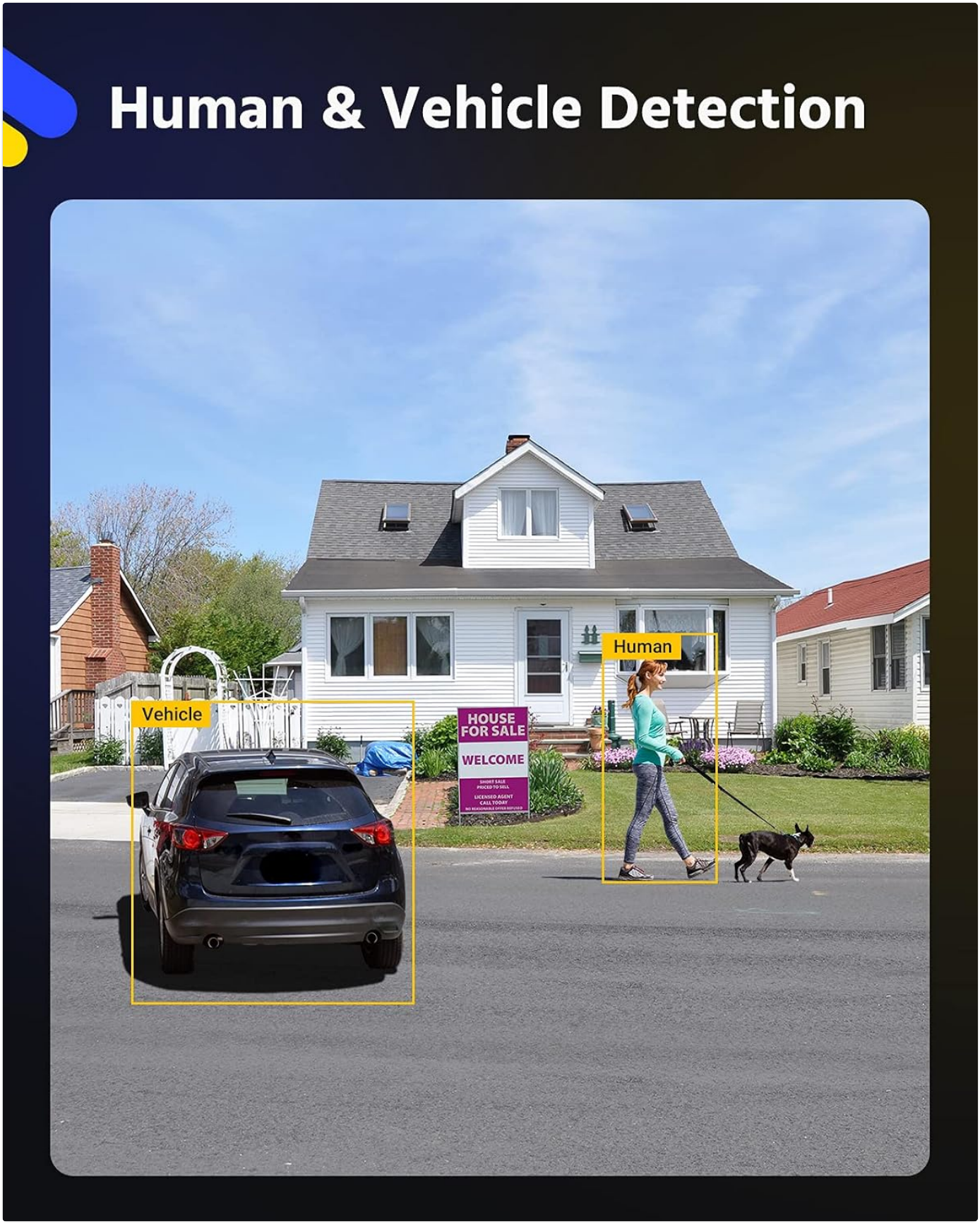


Image: An ANNKE NC800 camera mounted on an exterior wall, illustrating a typical installation scenario.

4.2 Network Connection (PoE)

The NC800 camera uses Power over Ethernet (PoE) for both power and data transmission. This simplifies wiring as only one Ethernet cable is required.

- Connect the other end of the Ethernet cable from the camera to a PoE-enabled NVR (e.g., ANNKE N48PAW, N46PAW) or a PoE switch.

- Ensure your NVR or PoE switch is powered on. The camera will automatically power up and establish a network connection.



Image: Simplified diagram illustrating the PoE installation process, connecting the camera to a PoE switch via an Ethernet cable for power and data.

4.3 Initial Configuration & Storage

The camera supports both Micro SD card storage and NVR/NAS storage.

- **Micro SD Card (Optional):** Insert a Micro SD card (up to 256GB, not included) into the camera's designated slot for local 24/7 recording or motion-triggered videos.
- **NVR/NAS Storage:** For continuous 24/7 recording and advanced management, connect the camera to a compatible ANNKE NVR or a third-party NVR/NAS system. Refer to your NVR/NAS manual for specific setup instructions.



Image: Illustration showing the MicroSD card slot on the camera and a separate NVR unit, representing the available storage options.

5. Operating the Camera

5.1 ANNKE Vision App

Download and install the ANNKE Vision app on your smartphone or tablet for remote access and control.

- Search for "ANNKE Vision" on the App Store (iOS) or Google Play Store (Android).
- Create an account and log in.
- Add your camera or NVR system by scanning the QR code or manually entering device details.

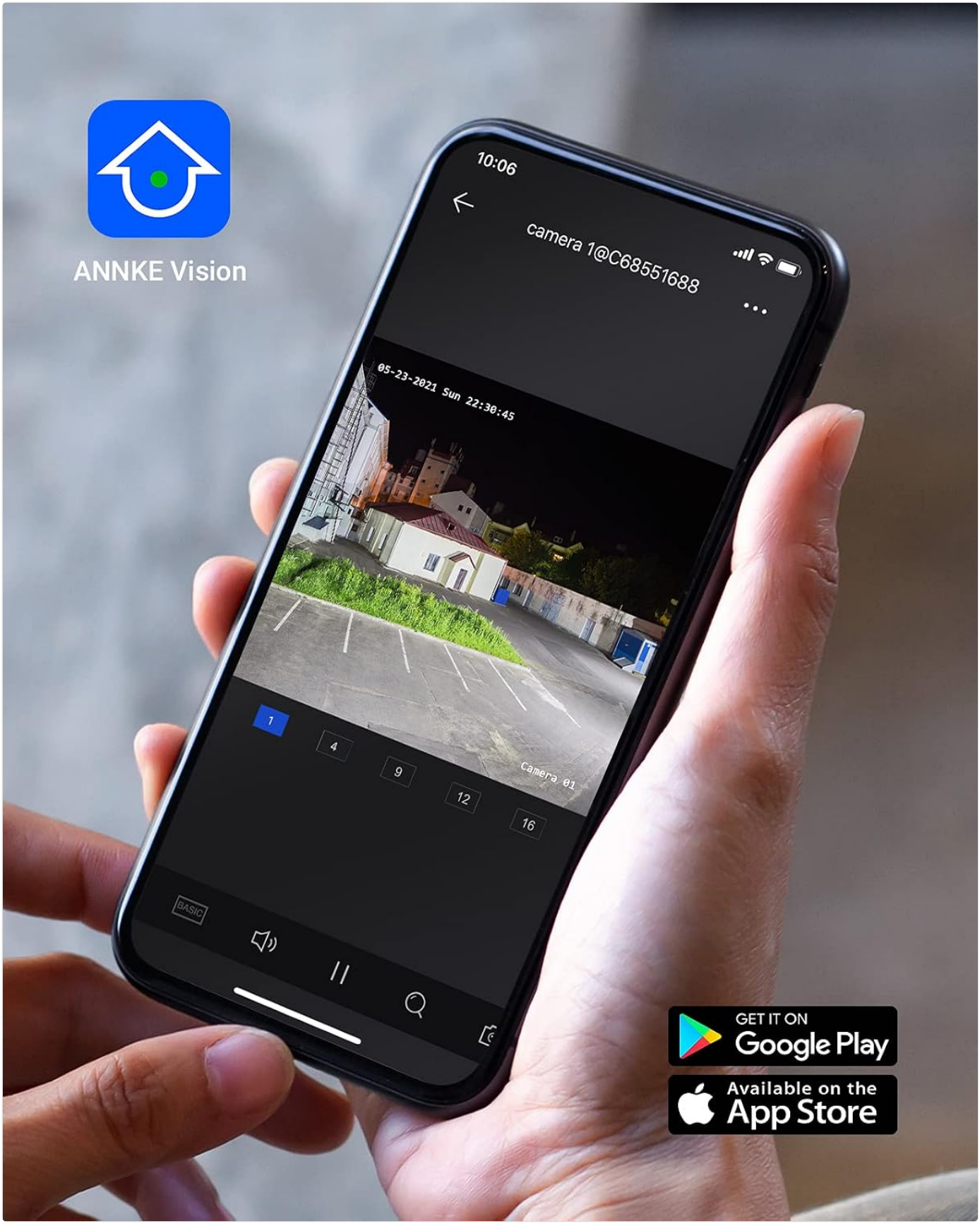


Image: A smartphone screen showing the ANNKE Vision app, with options for live view and playback.

5.2 Live View and Playback

- **Live View:** Open the ANNKE Vision app and select your camera to view live footage.
- **Playback:** Access recorded footage through the app or your NVR interface. Use the timeline to navigate to specific times and events.

5.3 AI Detection Features

The NC800 camera offers advanced AI detection to minimize false alarms.

- **Human & Vehicle Detection:** The camera can distinguish between human and vehicle shapes, sending alerts only for relevant events.
- **Behavior Analysis:** Configure specific detection zones and rules for:
  - **Line Crossing Detection:** Triggers an alarm when an object crosses a predefined virtual line.
  - **Intrusion Detection:** Triggers an alarm when an object enters a predefined virtual region.
  - **Region Entrance/Exiting Detection:** Triggers an alarm when an object enters or exits a specified area.
- Configure alert notifications (push notifications, email) through the ANNKE Vision app or NVR settings.

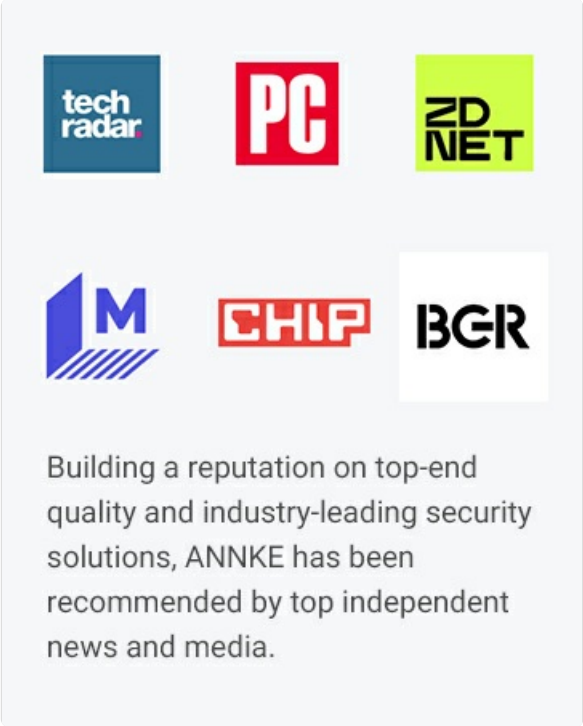


Image: A scene with a person and a vehicle, both highlighted by detection boxes, demonstrating the human and vehicle detection capabilities.

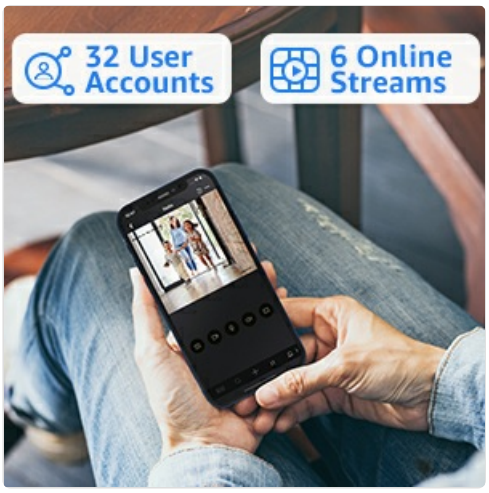


Image: A graphic illustrating various AI Smart Human Detection features, including Line Crossing, Intrusion, Region Entrance, and Region Exiting Detection.

5.4 NightChroma Color Night Vision

The NightChroma technology provides full-color video even in extremely low-light conditions. The camera's F1.0 super aperture lens collects more light, and the built-in soft supplemental light activates automatically when needed, ensuring clear, colorful images up to 130 feet.

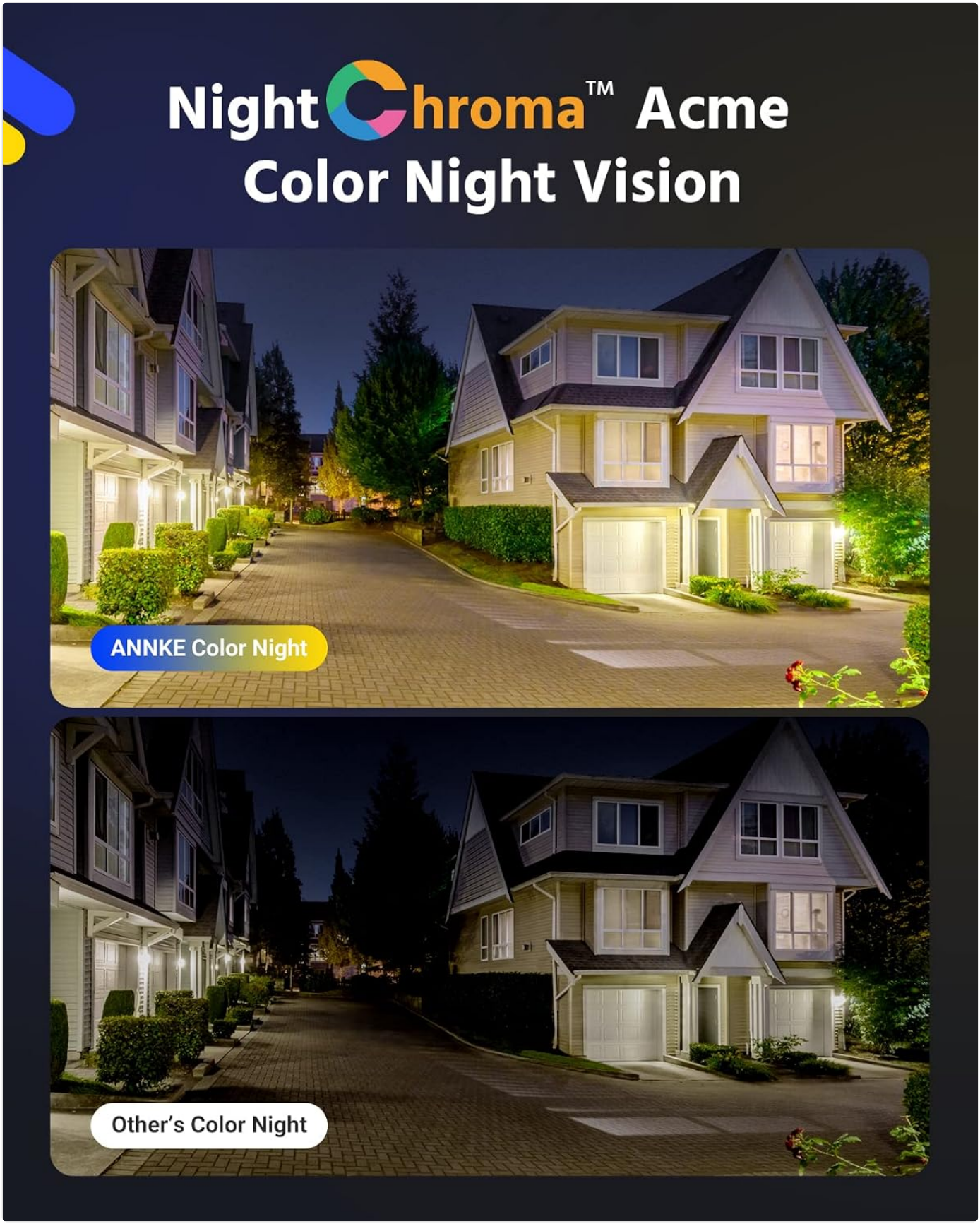


Image: A comparison showing the superior clarity and color of ANNKE NightChroma color night vision compared to other standard color night vision cameras in a residential street setting.

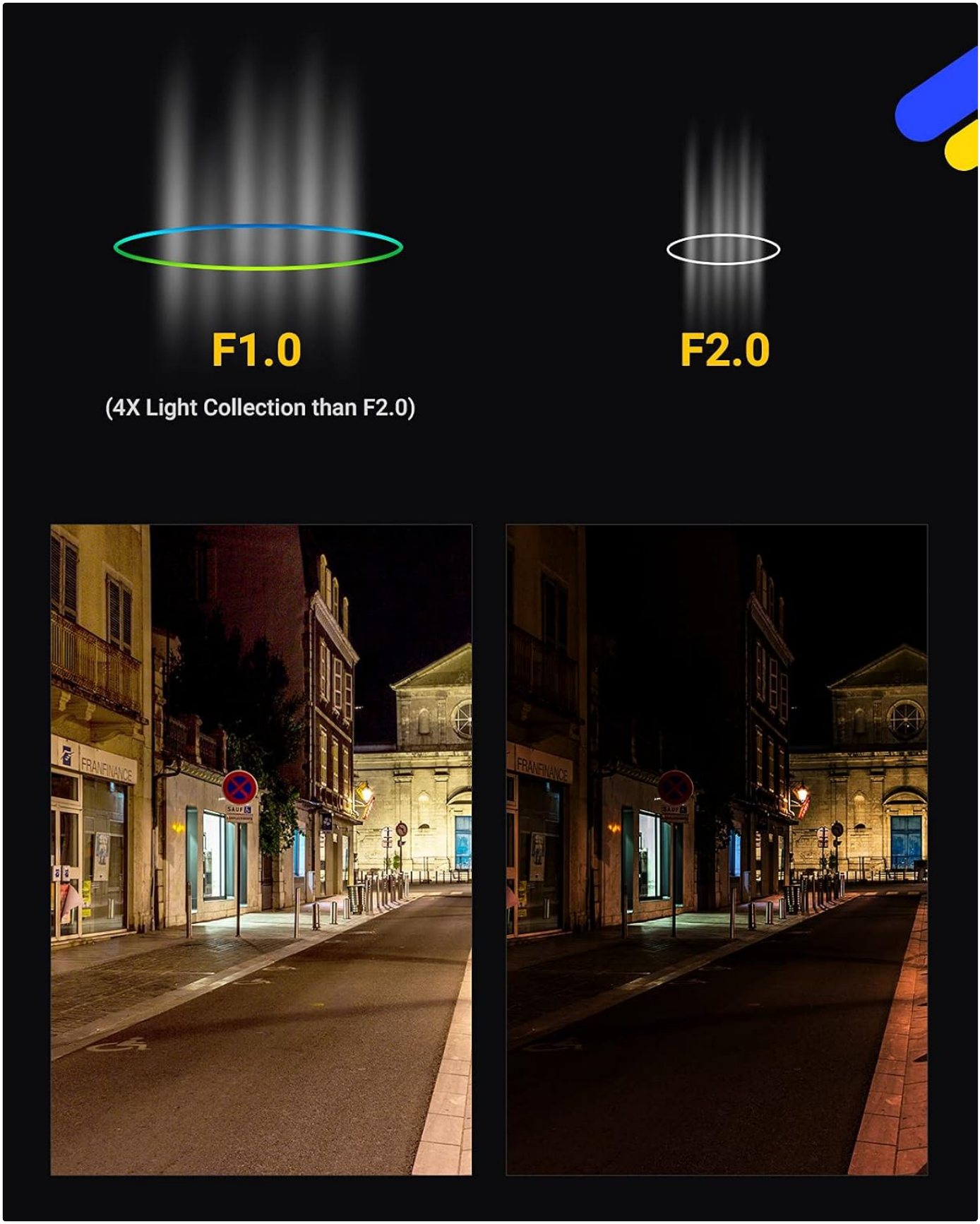


Image: A visual comparison demonstrating how an F1.0 aperture collects significantly more light than an F2.0 aperture, leading to brighter images in low light.

6. Maintenance

- **Cleaning:** Regularly clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the surface.

- **Firmware Updates:** Check the ANNKE website or the ANNKE Vision app periodically for firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance and security.
- **Storage Management:** If using a Micro SD card, periodically review and back up important footage. For NVR systems, ensure sufficient storage capacity and proper recording schedules.
- **Cable Inspection:** Periodically inspect the Ethernet cable and connections for any signs of wear or damage, especially in outdoor environments.

7. Troubleshooting

Problem	Possible Cause	Solution
No image/video feed	No power; Network connection issue; Faulty cable.	Check PoE connection to NVR/switch. Ensure NVR/switch is powered. Verify Ethernet cable integrity.
Poor image quality	Dirty lens; Insufficient lighting; Network bandwidth issues.	Clean the camera lens. Ensure adequate lighting or check NightChroma settings. Verify network speed.
Frequent false alarms	AI detection sensitivity too high; Improper detection zone setup.	Adjust AI detection sensitivity in the app/NVR. Refine detection zones to exclude irrelevant areas.
Cannot connect to ANNKE Vision app	Incorrect network settings; Firewall blocking connection; App version outdated.	Ensure camera/NVR is connected to the internet. Check router/firewall settings. Update ANNKE Vision app.
Micro SD card not recording	Card full; Card not formatted; Faulty card.	Check card capacity. Format the card via app/NVR. Replace card if faulty.

8. Specifications

Feature	Detail
Model	NC800
Video Capture Resolution	4K (8MP)
Night Vision	NightChroma Color Night Vision, up to 130 ft
Lens Aperture	F1.0 Super Aperture
Sensor	1/1.2" BSI Sensor
AI Detection	Human & Vehicle Detection, Line Crossing, Intrusion, Region Entrance/Exiting
Connectivity	Wired (PoE)
Storage Options	Micro SD Card (up to 256GB, not included), NVR, NAS
Audio	Built-in Microphone
Weatherproof Rating	IP67
Operating Temperature	-22°F to 140°F (-30°C to 60°C)
Housing Material	Metal

Feature	Detail
Power Source	PoE (Power over Ethernet)
Compatible Devices	Smartphone, Tablet, NVR

9. Warranty & Support

ANNKE products typically come with a limited warranty. Please refer to the warranty card included with your product or visit the official ANNKE website for detailed warranty terms and conditions.
For technical support, product inquiries, or service requests, please contact ANNKE customer support through their official website or the contact information provided in your product packaging.
Online Resources:

- ANNKE Support Website
- Firmware & Software Downloads

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Ask a question about this manual

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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