**ANNKE N931BB8-V2-9SDG+JHJ014-U**

# ANNKE 12MP Security Camera System User Manual

Model: N931BB8-V2-9SDG+JHJ014-U

## Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ANNKE 12MP Security Camera System. Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.

## Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact ANNKE customer support.

- 1 x 32-Channel NVR with 8TB Hard Drive
- 28 x 12MP Dome Cameras & Screw Kits
- 14 x 60ft Network Cables
- 14 x 100ft Network Cables
- 1 x HDMI Cable
- 1 x Ethernet Cable
- 1 x Power Adapter
- 1 x PoE Switch
- 1 x USB Mouse
- 1 x User Manual
- 1 x Remote Control




Image: Overview of the ANNKE 12MP Security Camera System package contents, including NVR, cameras, cables, and accessories.

## Safety Information

- Ensure proper ventilation for the NVR to prevent overheating.
- Use only the provided power adapter.
- Do not expose the equipment to water or moisture.
- Avoid placing the NVR or cameras in direct sunlight or near heat sources.
- Consult a qualified professional for installation if you are unsure.

## Setup Guide

### 1. NVR Installation

1. **Connect the Hard Drive (if not pre-installed):**

   The NVR comes with an 8TB HDD pre-installed. If you are adding additional drives (up to 4 x 10TB SATA HDDs), open the NVR casing, connect the SATA data and power cables to the new HDD, and secure it in the drive bay.




Image: Internal view of the NVR showing the four SATA hard disk interfaces for storage expansion.

2. **Connect Peripherals:**
    - Connect a monitor to the NVR's HDMI or VGA output.
    - Connect the USB mouse to a USB port on the NVR.
    - Connect the NVR to your router using an Ethernet cable for network access.
3. **Power On:** Connect the power adapter to the NVR and plug it into a power outlet. The NVR will start automatically.

## 2. Camera Installation and Connection

1. **Mount Cameras:** Securely mount the 12MP IP dome cameras in desired locations using the provided screw kits. Ensure the cameras are within range of network cables.
2. **Connect Cameras to NVR (PoE):**

   Connect up to 16 cameras directly to the PoE ports on the NVR using Ethernet cables. These ports provide both power and data.

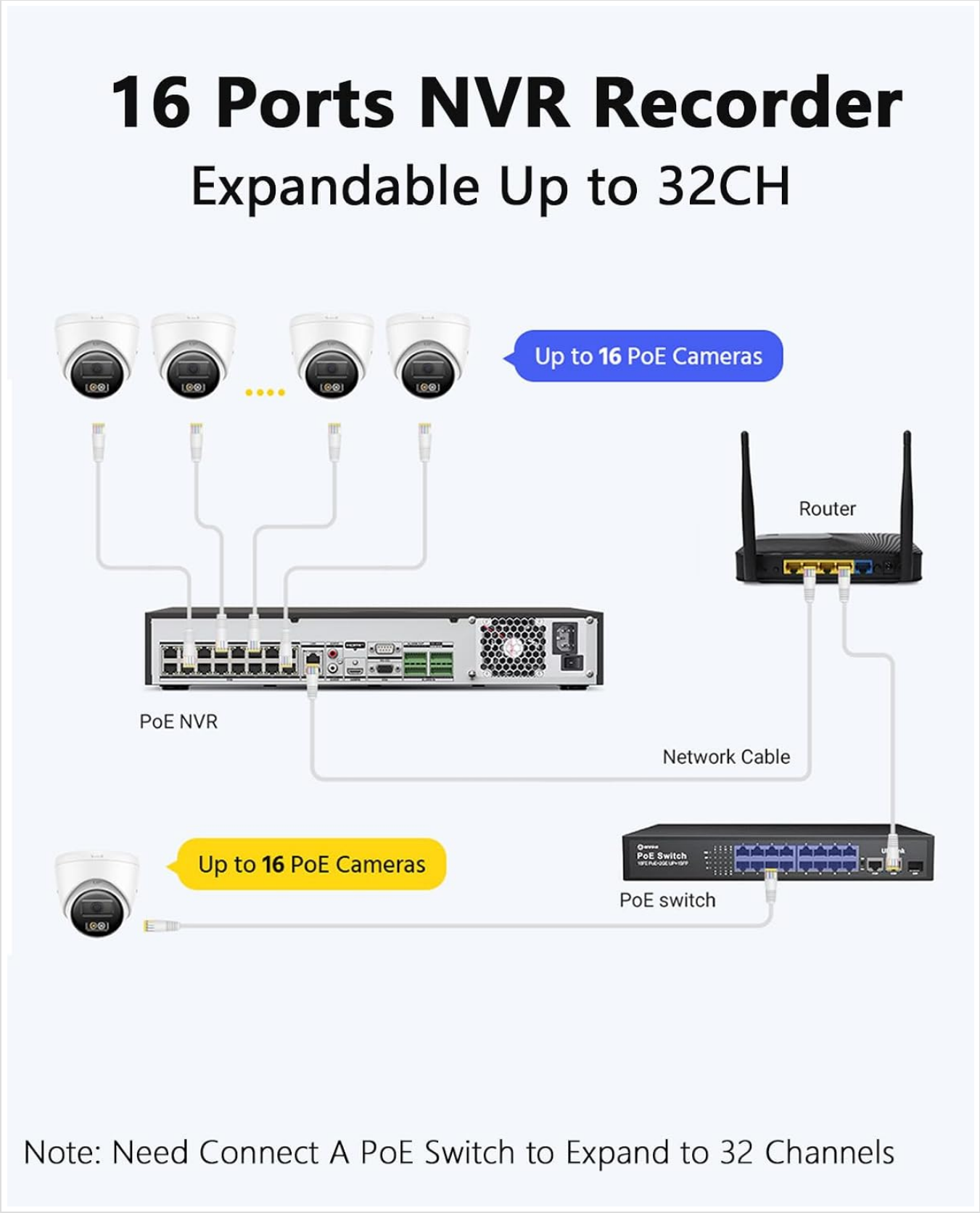



Image: Diagram illustrating how to connect PoE cameras directly to the NVR and how to expand with an external PoE switch.

3. **Expand with PoE Switch (for more than 16 cameras):**

   To connect more than 16 cameras (up to 32 channels), connect an external PoE switch to your network. Then, connect

the additional cameras to the PoE switch. Ensure the PoE switch is connected to the same network as the NVR.

### 3. Initial NVR Configuration

1. **First-Time Setup Wizard:** Follow the on-screen instructions to set up the NVR, including creating an administrator password, setting date/time, and configuring network settings.
2. **Hard Drive Initialization:** The NVR will prompt you to initialize the hard drive(s). This step is crucial for recording.
3. **Camera Detection:** The NVR should automatically detect and add connected PoE cameras. For cameras connected via an external PoE switch, you may need to manually add them using their IP addresses.

## Operating Instructions

### 1. Live View

After setup, the NVR will display the live feed from all connected cameras on the monitor. You can switch between single-camera view, multi-camera grid view, and customize the display layout.

### 2. Recording

- **Continuous Recording:** The system is typically configured for continuous recording by default.
- **Motion Detection Recording:** Configure specific cameras to record only when motion is detected. This saves storage space.
- **Scheduled Recording:** Set specific times for recording.

### 3. Playback

Access the playback menu to review recorded footage. You can search by date, time, and event (e.g., motion detection, facial recognition).

### 4. AI Features (Motion & Face Detection)

The system supports advanced AI features:

- **Motion Detection 2.0:** Differentiates between human and vehicle movement, reducing false alarms.
- **Facial Recognition:** The NVR supports 1-channel facial recognition for video streams or 4-channel for face pictures. Configure this feature in the NVR settings.

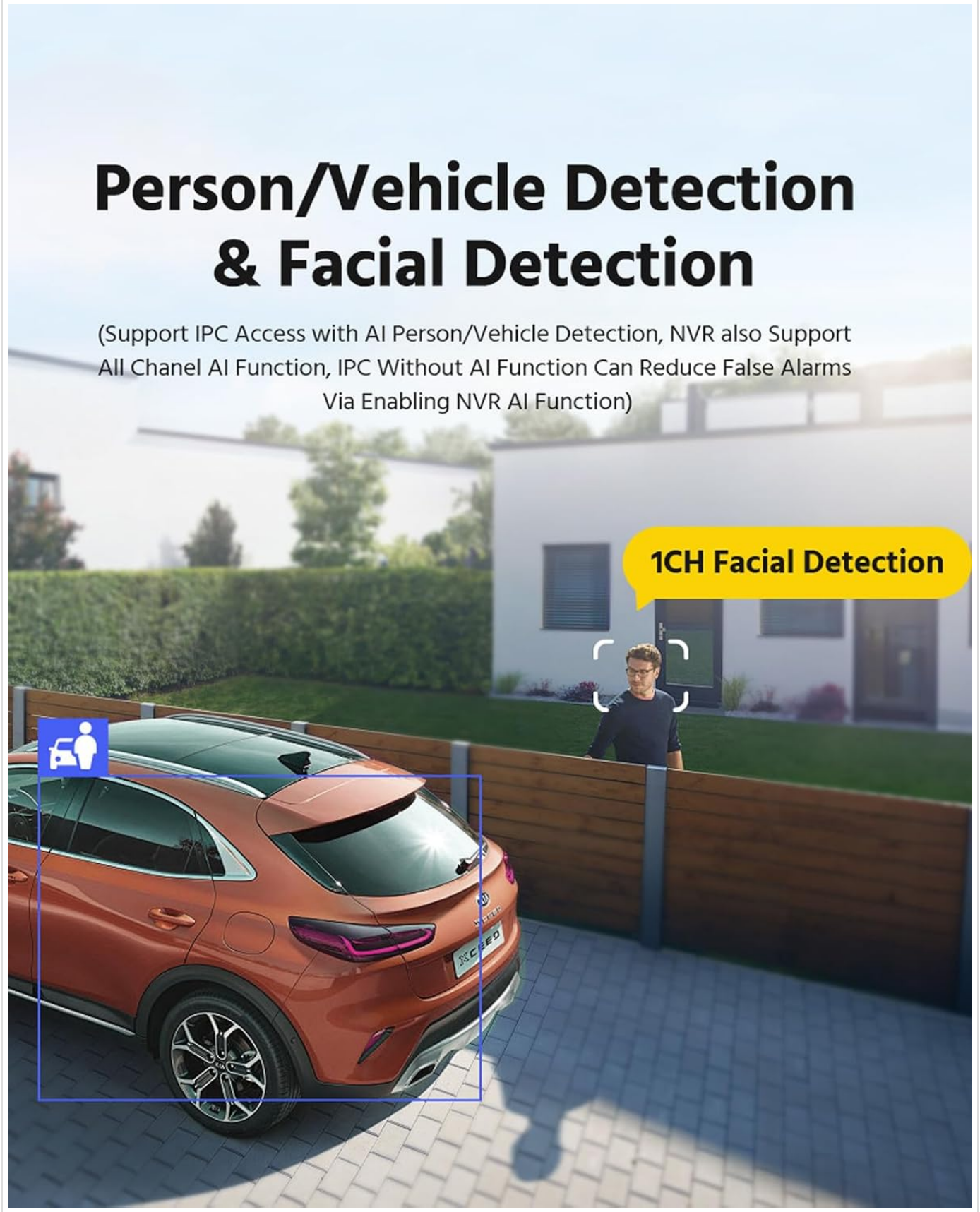



Image: Illustration of the system's AI capabilities, including person/vehicle detection and 1-channel facial detection.

## 5. Night Vision Modes

The 12MP cameras offer multiple night vision modes:

- **IR Night Vision:** Standard black and white night vision (up to 100ft).
- **Color Night Vision:** Provides full-color images in low-light conditions (above 0.005 Lux, up to 100ft).
- **Human & Vehicle Triggered Color Mode:** Switches from IR to color night vision when human or vehicle motion is

detected.

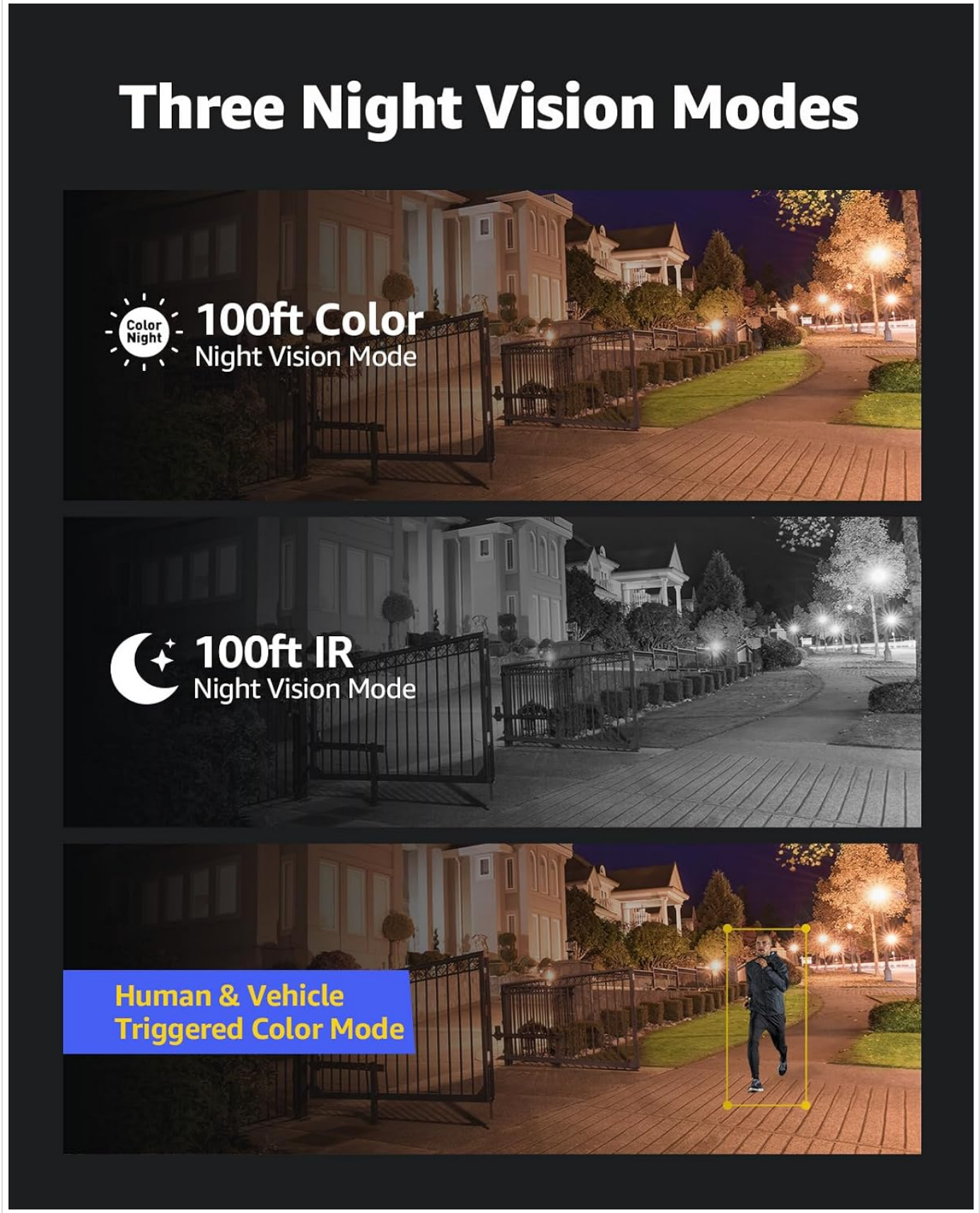



Image: Visual comparison of three night vision modes: 100ft Color Night Vision, 100ft IR Night Vision, and Human & Vehicle Triggered Color Mode.

## 6. Remote Access

Download the ANNKE Vision app on your smartphone or tablet, or use the client software on your computer, to access live view, playback, and system settings remotely. Ensure your NVR is connected to the internet.

## 7. Audio Recording

The cameras feature a built-in microphone for real-time audio security. Enable audio recording in the NVR settings for relevant channels.

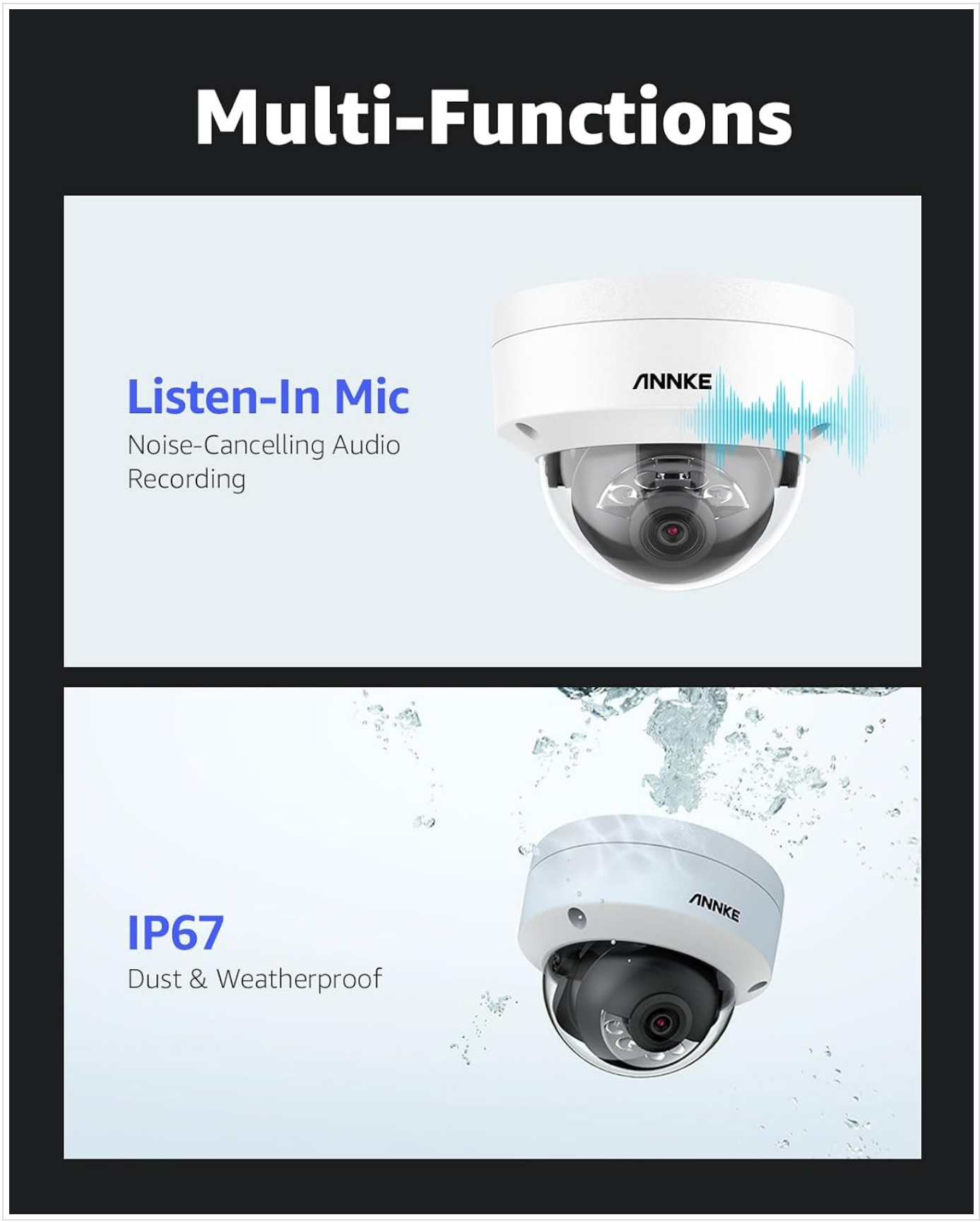



Image: Close-up of an ANNKE dome camera highlighting its built-in microphone for audio recording.

## 8. Privacy Masking

Configure privacy masks to block out specific areas within the camera's field of view that you do not wish to record or

monitor. This is useful for protecting privacy in public or neighboring areas.




Image: Diagram showing how to set up privacy masks to define private areas within the camera's detection zone.

## Maintenance

- **Regular Cleaning:** Periodically clean camera lenses with a soft, dry cloth to ensure clear image quality.
- **Firmware Updates:** Check the ANNKE website for the latest firmware updates for your NVR and cameras. Updating firmware can improve performance and add new features.

- **Hard Drive Management:** The NVR will automatically overwrite the oldest footage when the hard drive is full. Regularly back up important recordings.
- **Environmental Protection:** The cameras are IP67 dust and waterproof rated, but avoid direct high-pressure water jets.

## Troubleshooting

- **No Video Display:**
  - Check HDMI/VGA cable connections to the monitor.
  - Ensure the NVR is powered on.
  - Verify camera connections and power supply (PoE).
- **No Recording:**
  - Check if the hard drive is installed and initialized.
  - Verify recording schedules and motion detection settings.
  - Ensure sufficient storage space.
- **Remote Access Issues:**
  - Confirm the NVR is connected to the internet.
  - Check network settings (IP address, gateway, DNS).
  - Ensure the ANNKE Vision app/client is updated.
- **Poor Image Quality:**
  - Clean camera lenses.
  - Adjust camera focus if applicable.
  - Check for obstructions in the camera's field of view.

## Specifications

### NVR Specifications:

- **IP Camera Inputs:** Up to 32-channel
- **PoE Interfaces:** 16 ports (built-in)
- **Video Compression:** H.265+/H.265/H.264+/H.264
- **Decoding Capacity:** Up to 2-ch@12 MP, 3-ch@8 MP, 6-ch@4 MP, or 12-ch@1080p
- **Motion Detection:** All channels support Motion Detection 2.0
- **Facial Recognition:** 1-ch for video stream, or 4-ch for face picture
- **Video Output:** 4K (3840 × 2160) HDMI, Independent HDMI and VGA
- **HDD Interfaces:** 4 x SATA (up to 10 TB capacity per HDD, 8TB included)
- **Incoming Bandwidth:** Up to 256 Mbps
- **Dimensions:** 25.05 x 20.9 x 16.84 inches
- **Weight:** 87 pounds

### Camera Specifications:

- **Resolution:** 12MP

- **Lens:** 2.8mm
- **Compression:** Efficient H.265+
- **Detection:** Motion Detection 2.0 with Human & Vehicle Detection
- **Night Vision:** Color Night Vision, IR Night Vision (100ft distance)
- **Image Enhancement:** 3D DNR, 120 DB WDR
- **Audio:** Built-in microphone
- **Storage:** Support on-board storage up to 512 GB (SD card slot, SD card not included)
- **Weather Rating:** IP67 Dust and Waterproof
- **Power:** PoE & DC12V

## Warranty and Support

ANNKE products typically come with a limited warranty. Please refer to the warranty card included in your package or visit the official ANNKE website for detailed warranty terms and conditions.
For technical support, product inquiries, or warranty claims, please contact ANNKE customer service through their official website or the contact information provided in your product documentation.
**ANNKE Official Website:** www.annke.com

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