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ANNKE AP-CR1BL0102-V3

ANNKE 4K Bullet Security Camera AP-CR1BL0102-V3 User Manual

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ANNKE 4K Add-on Wired Bullet Security Camera, model AP-CR1BL0102-V3. This camera is designed for surveillance applications, offering high-resolution imaging and robust performance in various environmental conditions. Please read this manual thoroughly before using the product to ensure proper setup and functionality.



Image 1.1: ANNKE 4K Bullet Security Camera (Model AP-CR1BL0102-V3)

2. Product Overview

2.1 Key Features

- **4K Ultra HD Resolution:** Captures video at 3840x2160 pixels, providing clear and detailed footage.
- **Smart Dual-Light Night Vision:** Offers three night vision modes: smart light, white light, and IR night vision. The smart light mode activates color night vision upon human/vehicle detection.
- **IP67 Weatherproof Housing:** Designed for both indoor and outdoor use, capable of withstanding temperatures from -40°F to 140°F (-40°C to 60°C) and resistant to water and dust.
- **Wide Angle Lens:** Equipped with a 2.8mm fixed focal lens, providing a 108° horizontal field of view.
- **4-in-1 Switchable Signals:** Supports TVI, AHD, CVI, and CVBS video output signals for broad compatibility.
- **Remote Access & Motion Detection:** Compatible with the ANNKE App for remote monitoring and instant alerts on motion events.



Image 2.1: The camera provides 4K Ultra HD resolution with a broad 16:9 vision.



Image 2.2: Details on the 2.8mm lens with a 127° diagonal field of view and F1.6 large aperture for clear imaging.

2.2 Package Contents

The product package includes the following items:

- 1x ANNKE 8MP Security Camera
- 1x Mounting Screw Bag
- 1x User Manual (this document)

Note: Power adapter and BNC cable are NOT included and must be purchased separately.



Image 2.3: Diagram illustrating the camera's components including the 3-Axis Mounting Bracket, IP67 Waterproof Housing, 2.8 mm HD Lens, White Light, 2 IR LEDs, Mode Switch, Video Output, and Power Port.

3. Setup

3.1 Installation Steps

Follow these steps to install your ANNKE security camera:

1. **Mount the Camera:** Use the included mounting screw bag to securely attach the camera to your desired location. The flexible 3-axis stand allows for wall or ceiling mounting.
2. **Connect to DVR:** Connect the camera to your Digital Video Recorder (DVR) using a BNC cable (not included). Ensure the connection is secure.
3. **Power the Camera:** Connect the camera to a 12V DC power source (power adapter not included). If connecting multiple cameras, a 1-to-4 power splitter cable may be used.
4. **Connect DVR to Router (for remote access):** If you intend to access the camera remotely via a smartphone, tablet, or computer, connect your DVR to a router using an Ethernet cable.
5. **Connect DVR to Display:** Connect your DVR to a monitor or TV using an HDMI or VGA cable to view the live feed

and recordings.



Image 3.1: The camera features a flexible axis for easy setup, supporting both wall and ceiling mounting configurations.

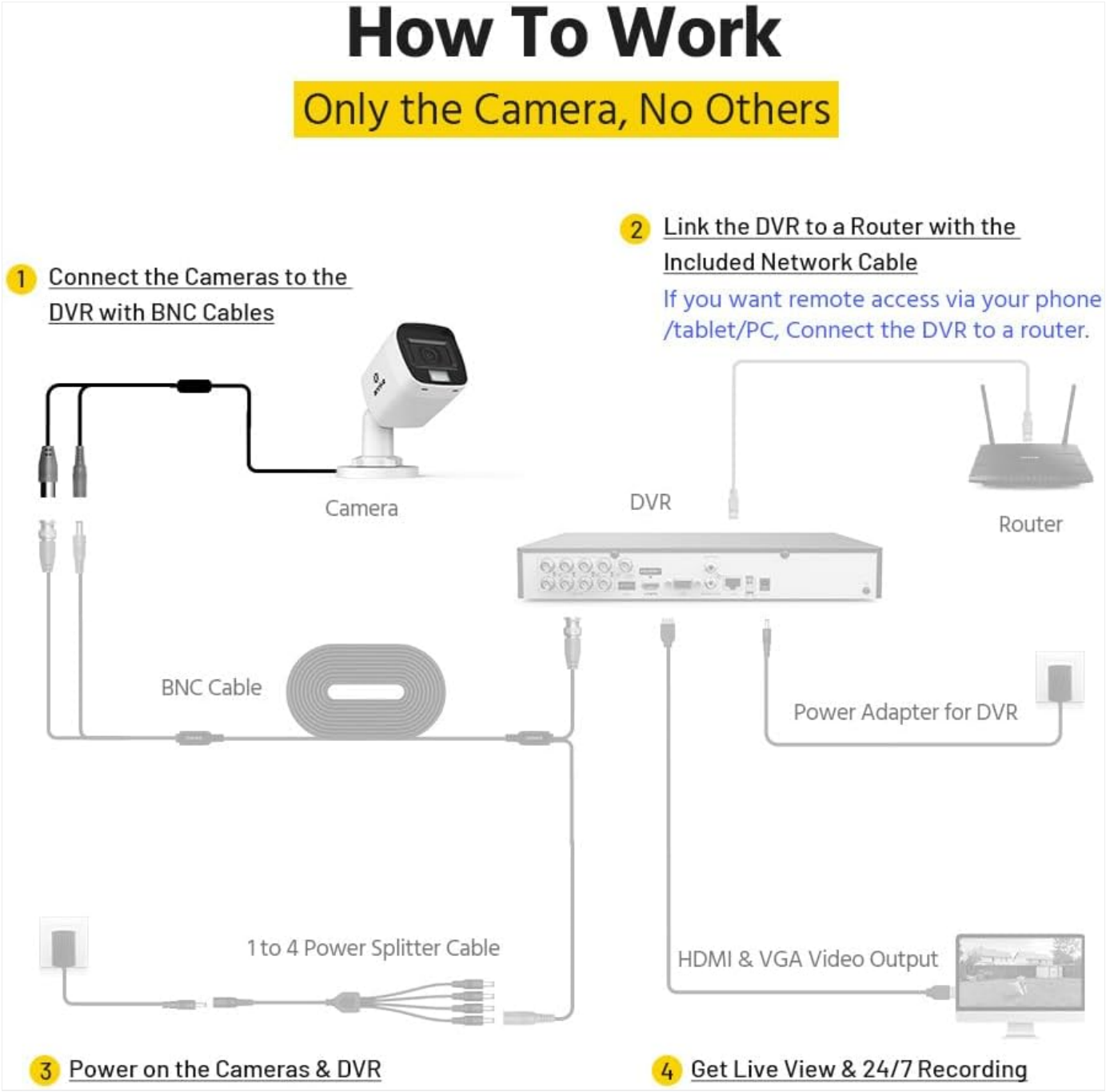


Image 3.2: A diagram illustrating the connection process: 1. Connect cameras to DVR with BNC cables. 2. Link the DVR to a router with a network cable for remote access. 3. Power on the cameras and DVR. 4. Get live view and 24/7 recording via HDMI/VGA video output.

4. Operating Instructions

4.1 Night Vision Modes

The camera offers advanced night vision capabilities with three selectable modes:

- **IR Night Vision:** Provides black and white imaging in low-light conditions using infrared LEDs, with a range of up to 25 meters (80 feet).
- **White Light Mode:** Utilizes built-in white light for full-color night vision, effective up to 20 meters (66 feet).
- **Smart Dual-Light Mode:** This is the default mode. The camera operates in black and white IR mode and automatically switches to full-color white light mode when a human or vehicle is detected, providing detailed color footage of events.



Image 4.1: Comparison of night vision modes: 66ft Color Mode (using white light), 100ft IR Mode (black and white), and Smart Dual-Light Mode which switches to color upon human or vehicle detection.

4.2 Signal Switching

The camera supports four switchable video output signals (TVI/AHD/CVI/CVBS) to ensure compatibility with various DVR systems. The mode can typically be switched via the DVR interface or a physical switch on the camera cable (refer to Image 2.3 for 'Mode Switch').



Image 4.2: The camera supports four switchable video signals: TVI, AHD, CVI, and CVBS, offering broad compatibility with different surveillance systems.

4.3 Remote Access and Alerts

To utilize remote access and motion detection alerts:

- Ensure your DVR is connected to the internet via a router.
- Download and install the ANNKE App on your iOS or Android smartphone/tablet.
- Follow the in-app instructions to add your DVR system.
- Configure motion detection settings within the DVR or app to receive instant push notifications and email alerts when motion events occur.

5. Maintenance

5.1 Cleaning

Regularly clean the camera lens and housing to ensure optimal performance. Use a soft, damp cloth to wipe away dust and dirt. Avoid abrasive cleaners or solvents that could damage the camera's finish or lens coating.

5.2 Weather Resistance

The camera has an IP67 weatherproof rating, indicating it is protected against dust ingress and immersion in water up to 1 meter for 30 minutes. It is designed to operate reliably in extreme temperatures ranging from -40°F to 140°F (-40°C to 60°C).



Image 5.1: The camera is rated IP67, signifying its resistance to water and dust, making it suitable for outdoor use in various weather conditions.

6. Troubleshooting

If you encounter issues with your ANNKE security camera, refer to the following common troubleshooting steps:

- **No Video Output:**

- Check all cable connections (BNC, power) to ensure they are secure.
- Verify the power supply is functioning correctly and providing 12V DC.
- Ensure the camera's video output mode (TVI/AHD/CVI/CVBS) matches your DVR's input settings.

- **Poor Image Quality:**
  - Clean the camera lens.
  - Check for obstructions in the camera's field of view.
  - Ensure the BNC cable is of good quality and not excessively long, which can degrade signal.
- **Night Vision Not Working:**
  - Verify that the IR LEDs or white lights are not obstructed.
  - Check the camera's night vision settings in your DVR to ensure the desired mode is selected.
- **Remote Access Issues:**
  - Confirm the DVR is connected to the internet and has a stable network connection.
  - Ensure the ANNKE App is updated to the latest version.
  - Verify correct network settings and port forwarding (if required by your network configuration).

For further assistance, please contact ANNKE customer support.

7. Specifications

Feature	Specification
Model Number	AP-CR1BL0102-V3
Image Sensor	4K CMOS Image sensor
Video Resolution	3840 (H) × 2160 (V)
Lens	2.8mm fixed focal lens
Angle of View	Horizontal FOV: 108°, Vertical FOV: 59°, Diagonal FOV: 127°
Minimum Illumination	Color: 0.01 Lux @ (F1.6, AGC ON), 0 Lux with IR
IR Distance	Up to 25 m (80 ft)
White Light Distance	Up to 20 m (66 ft)
Video Output	BNC, switchable TVI/AHD/CVI/CVBS
Wide Dynamic Range	Digital WDR
Weatherproof Rating	IP67
Operating Power	DC12V
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Dimensions (L x W x H)	6.22 x 3.15 x 3.15 inches

Feature	Specification
Item Weight	7.8 ounces

8. Warranty and Support

For warranty information and technical support, please refer to the official ANNKE website or contact their customer service directly. You can visit the ANNKE Store for more product information and support resources: ANNKE Store on Amazon.

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