ANNKE AP-CR1BG0102-V3

ANNKE 5MP Super HD Security Camera Instruction Manual

Model: AP-CR1BG0102-V3

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your ANNKE 5MP Super HD Security Camera. Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. Keep this manual for future reference.

The ANNKE 5MP Super HD Security Camera is a wired bullet-style surveillance camera designed for both indoor and outdoor environments. It features 5-megapixel resolution for clear imaging, IP67 weatherproofing, and advanced EXIR 2.0 night vision with Smart IR for effective monitoring in low-light conditions.

2. Product Overview

2.1 Camera Components

The following diagram illustrates the key components of the ANNKE 5MP Super HD Security Camera:



Image: ANNKE 5MP Super HD Security Camera with labels for Visual Alarm, 2.8mm HD lens, Glass cover, IP67 housing, Power port, and Video output.

- **Visual Alarm:** Integrated light for deterrence or notification.
- **2.8mm HD Lens:** Provides a wide viewing angle of approximately 85.5 degrees.
- **Glass Cover:** Protects the lens from environmental elements like rain, dust, or fog.
- **IP67 Housing:** Durable and weatherproof casing.
- **Power Port:** 12V DC power input connection.
- **Video Output:** High-definition video signal output for connection to a compatible DVR/NVR.

2.2 Key Features

- **5MP Super HD Resolution:** Captures video at 2560(H) x 1944(V) pixels, offering significantly more detail than 1080P cameras.
- **EXIR 2.0 Night Vision:** Equipped with 2 infrared LEDs, providing up to 100 feet (30 meters) of clear black-and-white night vision. Smart IR technology adjusts infrared intensity to prevent overexposure.

- **IP67 Weatherproof Rating:** Designed to withstand harsh weather conditions, including heavy rain and snow, and operates in temperatures from -40°F (-40°C) to 140°F (60°C).
- **Digital Wide Dynamic Range (D-WDR):** Enhances image clarity in scenes with both very bright and very dark areas, ensuring details are visible across the entire frame.
- **Wide Field of View:** The 2.8mm lens provides an 85.5° horizontal field of view, covering a broad area.

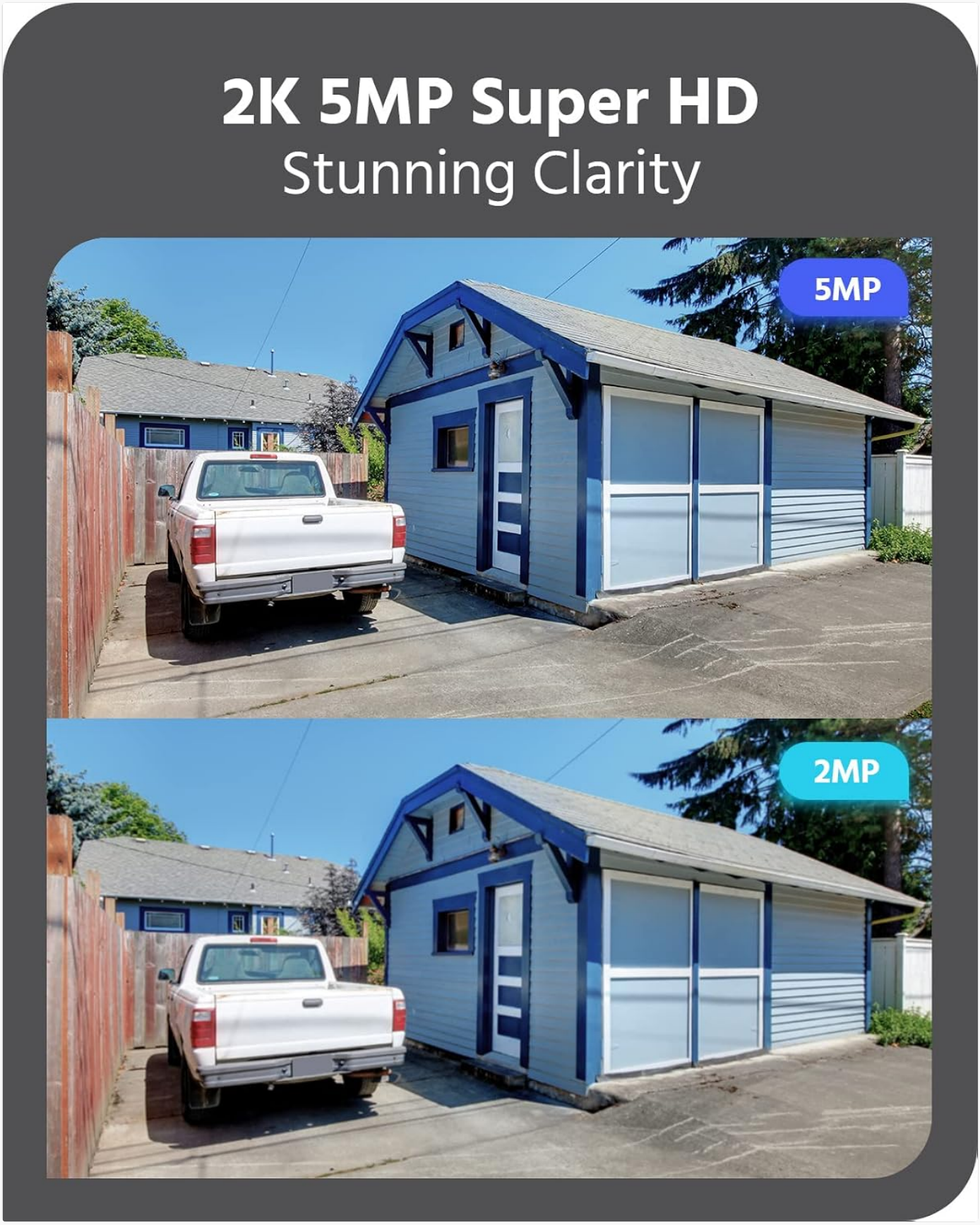


Image: Visual comparison demonstrating the superior clarity of 5MP resolution over 2MP resolution for surveillance footage.

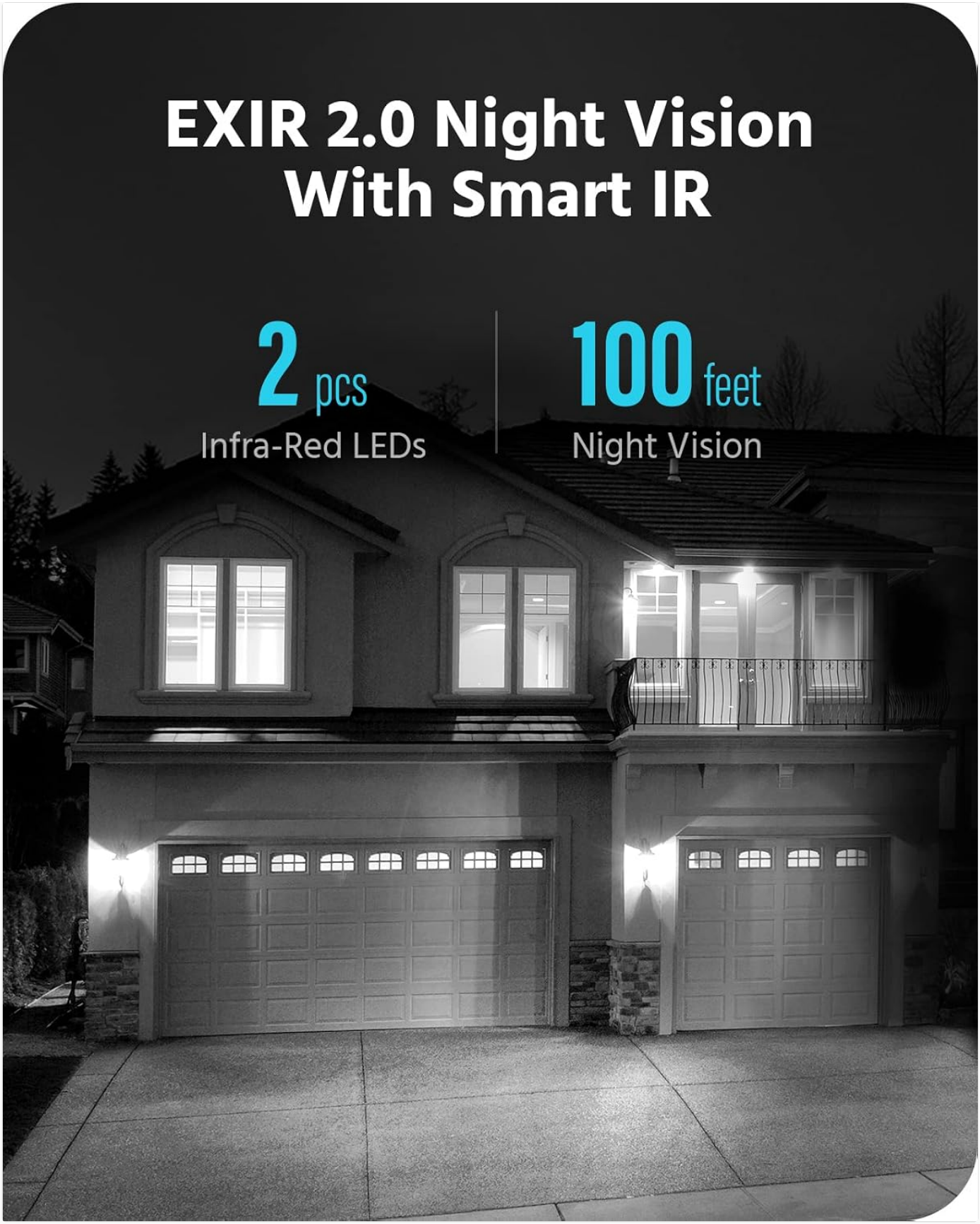


Image: Depiction of EXIR 2.0 Night Vision, highlighting 2 infrared LEDs and a 100-foot night vision range for clear monitoring in darkness.



Image: The camera partially submerged in water, illustrating its IP67 waterproof rating and its ability to withstand extreme temperatures from -40°F to 140°F.

3. Installation and Setup

3.1 Before Installation

- Ensure you have a compatible DVR/NVR system that supports 5MP TVI cameras.
- Prepare necessary tools: drill, screwdriver, mounting screws, power adapter (12V DC), and BNC video cables. Use high-quality cables for optimal video signal transmission.
- Plan the camera's location, considering the desired field of view, power source proximity, and cable routing.

3.2 Mounting the Camera

1. **Mark Drilling Holes:** Place the camera's base at the desired mounting location and mark the positions for drilling.
2. **Drill Holes:** Use an appropriate drill bit to create holes for the mounting screws. Insert wall anchors if mounting on drywall or masonry.
3. **Secure the Camera:** Attach the camera base to the mounting surface using the provided screws.
4. **Adjust Angle:** Loosen the adjustment screws on the camera bracket to position the camera for the desired viewing angle. Tighten the screws once adjusted.



Image: A person demonstrating the installation process of the ANNKE security camera, securing it to a wall with a screwdriver.

3.3 Wiring Connections

1. **Connect Video Cable:** Connect one end of the BNC video cable to the camera's video output port and the other end to a video input channel on your DVR/NVR.
2. **Connect Power:** Connect the 12V DC power adapter to the camera's power input port. Plug the power adapter into a power outlet.
3. **Power On:** Once all connections are secure, power on your DVR/NVR system. The camera should automatically power on and begin transmitting video.

4. Operation

The ANNKE 5MP Super HD Security Camera operates in conjunction with a compatible DVR/NVR system. All video viewing, recording, and advanced settings are managed through your DVR/NVR interface.

- **Live View:** Access the live video feed from the camera through your DVR/NVR monitor or connected mobile application.
- **Night Vision:** The camera automatically switches to EXIR 2.0 night vision mode in low-light conditions. The Smart IR feature adjusts the intensity of the infrared LEDs to provide balanced illumination and prevent overexposure of close-up objects.
- **Motion Detection:** If configured on your DVR/NVR, the camera will trigger motion detection events, which can initiate recording or send alerts.
- **Weather Resistance:** The IP67 rating ensures continuous operation in various weather conditions, including rain, snow, and extreme temperatures.

5. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your security camera.

- **Cleaning the Lens:** Periodically clean the camera lens with a soft, lint-free cloth. For stubborn dirt, use a mild lens cleaning solution. Avoid abrasive materials that could scratch the lens.
- **Cleaning the Housing:** Wipe the camera housing with a damp cloth to remove dust and dirt. Do not use harsh chemicals.
- **Check Connections:** Regularly inspect all cable connections (power and video) to ensure they are secure and free from corrosion or damage.
- **Firmware Updates:** Check the ANNKE official website for any available firmware updates for your camera or DVR/NVR system. Follow the instructions provided for updating.

6. Troubleshooting

If you encounter issues with your ANNKE 5MP Super HD Security Camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No video signal / Black screen	• No power to camera • Loose or faulty video cable connection • Incompatible DVR/NVR • Faulty camera	• Check power adapter and outlet. • Ensure video cable is securely connected at both ends. Try a different cable. • Verify your DVR/NVR supports 5MP TVI cameras. • Test camera with a known working power supply and DVR/NVR.
Poor image quality / Distorted video	• Low-quality video cable • Cable length too long • Lens is dirty or obstructed • Incorrect video format setting on DVR/NVR	• Use high-quality coaxial cables. • Reduce cable length if possible. • Clean the camera lens. • Ensure the DVR/NVR is set to the correct video input format (TVI).
Night vision not working or poor	• IR LEDs obstructed • Insufficient power supply • Camera positioned too close to a reflective surface	• Ensure nothing is blocking the IR LEDs. • Verify the camera is receiving adequate power. • Adjust camera angle to avoid reflections from walls or windows.
Camera not responding	• Power issue • Hardware malfunction	• Check power connection. • Perform a power cycle (unplug and replug). • Contact ANNKE support if the issue persists.

7. Specifications

Feature	Detail
Model Number	AP-CR1BG0102-V3
Image Sensor	CMOS
Video Resolution	5MP (2560 x 1944)
Lens	2.8mm HD Lens
Field of View	85.5°
Night Vision	EXIR 2.0, Smart IR, up to 100 ft (30m)
Weatherproof Rating	IP67
Operating Temperature	-40°F to 140°F (-40°C to 60°C)
Power Supply	12V DC
Power Consumption	12 Watts

Feature	Detail
Dimensions (L x W x H)	6.22 x 3.15 x 3.15 inches (158 x 80 x 80 mm approx.)
Weight	7.8 ounces (221 grams approx.)
Connectivity	Wired (TVI)
Video Capture Format	MPEG-4 (via DVR/NVR)

8. Warranty and Support

ANNKE is committed to providing reliable security solutions and excellent customer service.

8.1 Warranty Information

For detailed warranty terms and conditions, please refer to the official ANNKE website or contact ANNKE customer support. Warranty coverage typically includes manufacturing defects and hardware malfunctions under normal use.

8.2 Customer Support

If you require technical assistance, have questions about your product, or need to report an issue, ANNKE offers comprehensive support services:

- **After-Sale Support:** Dedicated team available to assist with product-related inquiries.
- **Quick Response:** Efforts are made to provide timely assistance.
- **Lifetime Technical Help:** Ongoing technical support for the lifespan of your product.

You can typically find contact information for ANNKE support on their official website:www.annke.com/support

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question