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› [ANNKE 5-in-1 1080P Security Camera System User Manual \(Model: DT61BS6-V2-5CEF\)](#)

ANNKE DT61BS6-V2-5CEF

ANNKE 5-in-1 1080P Security Camera System User Manual

Model: DT61BS6-V2-5CEF

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ANNKE 5-in-1 1080P Security Camera System. This system features a 16-channel DVR with a pre-installed 6TB hard drive and 12 2MP outdoor cameras, offering advanced surveillance capabilities including AI Motion Detection 2.0 and flexible night vision options.

Please read this manual thoroughly before using the product to ensure proper setup and functionality. Keep this manual for future reference.

2. WHAT'S IN THE BOX

Verify that all components listed below are included in your package:

- 1x 16-Channel 2MP Lite DVR (with 6TB HDD pre-installed)
- 12x 2MP Wired Cameras
- 12x BNC Cables
- 12x Screw Kits (for camera mounting)
- 4x Power Adapters (for DVR and cameras)
- 1x Ethernet Cable
- 1x HDMI Cable
- 1x USB Mouse
- 1x User Manual
- 1x Wall Sticker

What's in the Box?

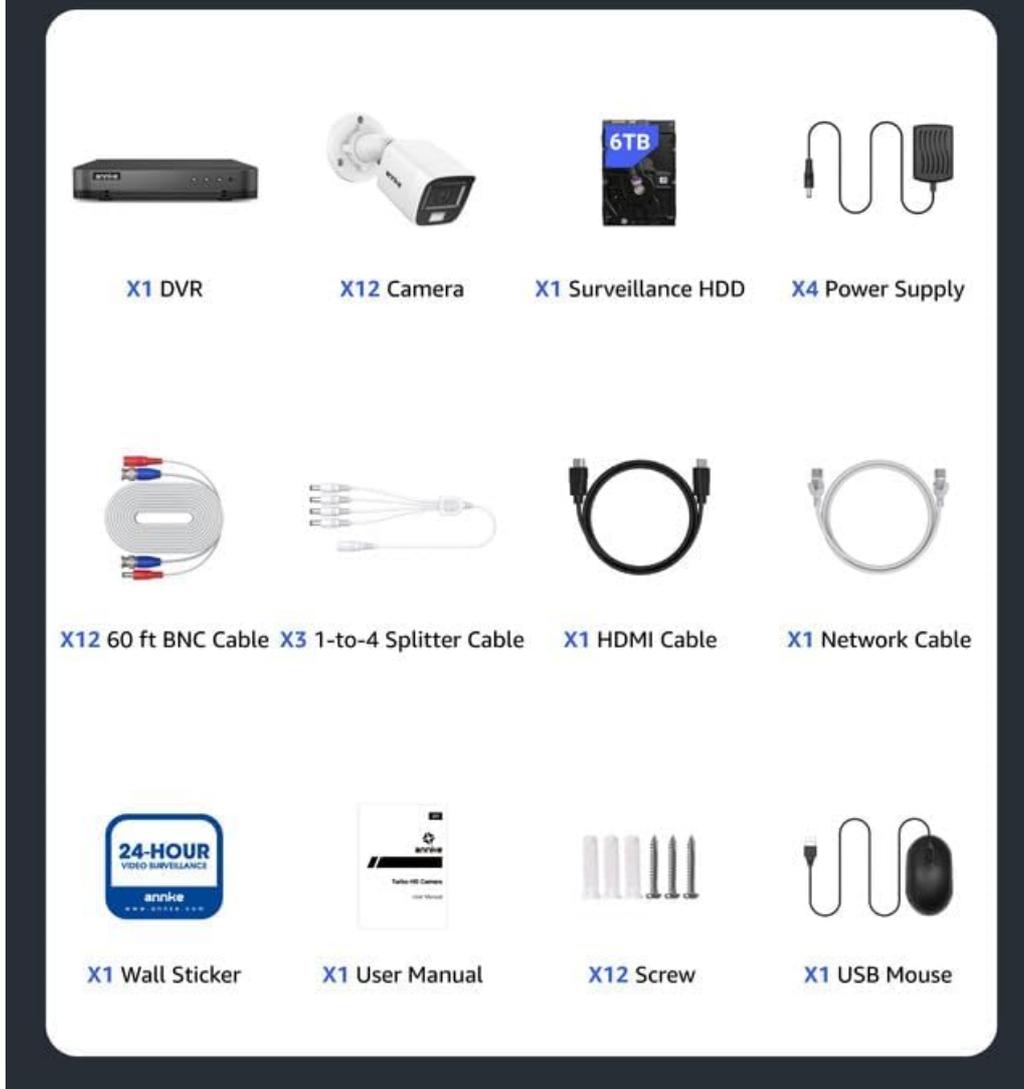


Image: All components included in the ANNKE Security Camera System package.

3. SYSTEM SETUP

3.1 Unpacking and Preparation

- Carefully remove all components from the packaging.
- Ensure you have all necessary tools for installation (e.g., drill, screwdriver, ladder).
- Choose suitable locations for the DVR and cameras. The DVR should be in a secure, well-ventilated area, and cameras should cover desired surveillance zones.

3.2 Connecting the DVR

1. **Connect a Monitor:** Use the provided HDMI cable to connect the DVR to a monitor or TV.
2. **Connect the Mouse:** Plug the USB mouse into a USB port on the DVR.
3. **Connect to Network (Optional but Recommended):** Use the Ethernet cable to connect the DVR to your router for remote access and updates.
4. **Connect Power:** Plug the DVR power adapter into the DVR's power input and then into an electrical outlet.

Powerful 5-IN-1 DVR

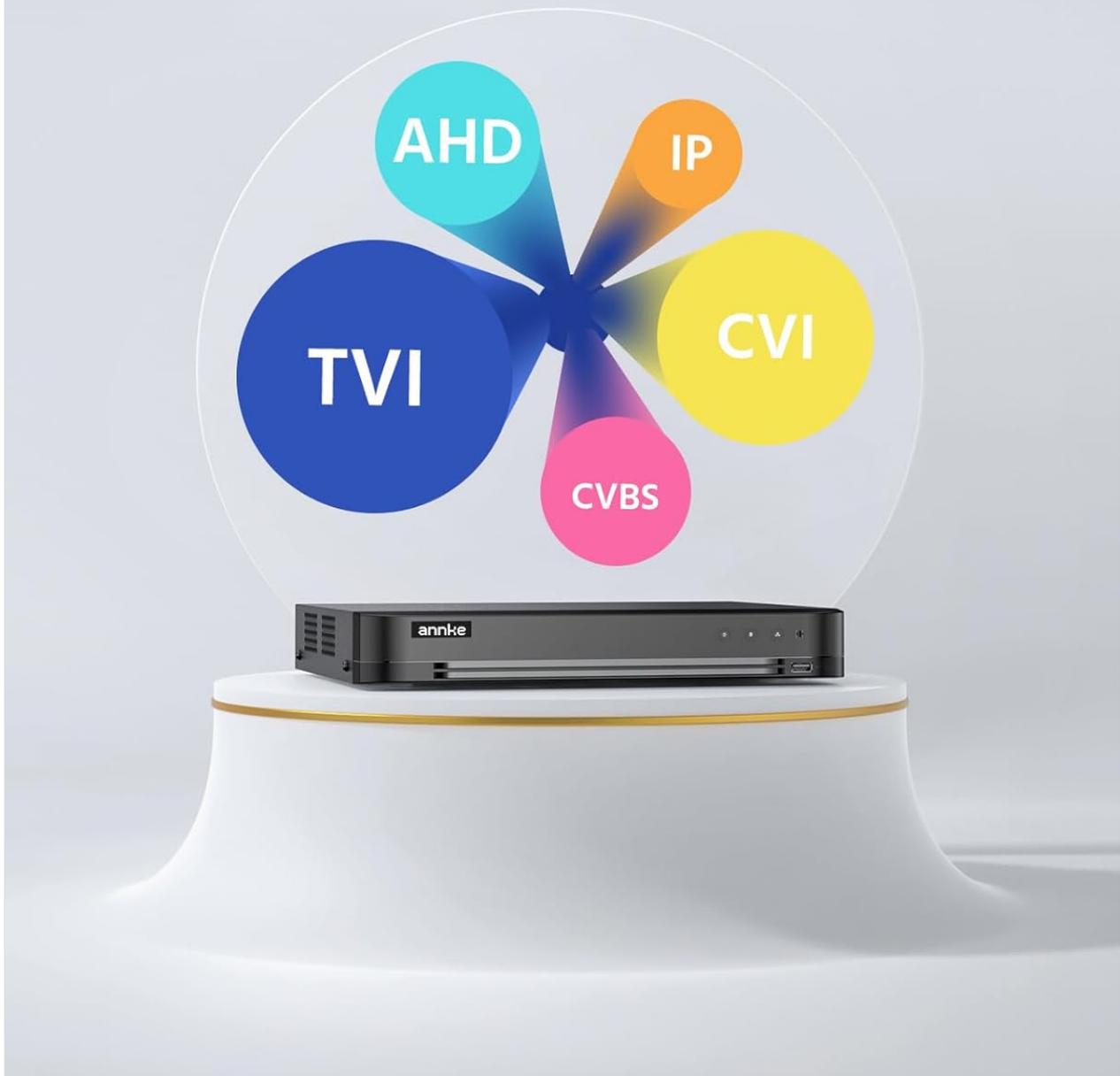


Image: The ANNKE 5-in-1 DVR, compatible with multiple camera technologies.

3.3 Connecting Cameras

1. **Mount Cameras:** Securely mount each camera in its chosen location using the provided screw kits.
2. **Connect BNC Cables:** Connect one end of a BNC cable to the camera's video output and the other end to a BNC input port on the DVR.
3. **Power Cameras:** Use the camera power adapters to provide power to each camera. Ensure all connections are secure.

3.4 Initial Configuration

Upon first boot, the system will guide you through an initial setup wizard:

- **Create a Strong Password:** Set a strong password for the administrator account. This is crucial for security.
- **Network Settings:** Configure network settings (DHCP is usually sufficient for most home networks).
- **Date and Time:** Set the correct date and time zone.
- **Hard Drive Initialization:** The 6TB HDD is pre-installed. The system may prompt you to initialize it if it's a new installation or if issues are detected. Follow on-screen instructions.

4. SYSTEM OPERATION

4.1 Live View

After initial setup, the DVR will display the live view from all connected cameras on the monitor. You can switch between single-camera view, multi-camera grids, and sequence views using the mouse.

1080P Full HD



Image: Demonstrates the clear 1080P Full HD video quality provided by the system.

4.2 Recording

The system supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Motion-Triggered Recording:** Records only when motion is detected.
- **Scheduled Recording:** Records during specific times.

Configure recording schedules and settings via the DVR's main menu.

24/7 Non-stop Recording

Record every second to bring utmost security



Image: The system provides 24/7 non-stop recording for continuous surveillance.

4.3 Playback

Access recorded footage through the playback menu. The system features a smart search function to quickly locate events based on time or motion detection.

4.4 AI Motion Detection 2.0

The system's advanced AI Motion Detection 2.0 can differentiate between human and vehicle targets, significantly reducing false alarms caused by animals, leaves, or other non-threatening movements.

- **Configuration:** Access the motion detection settings in the DVR menu to define detection zones and sensitivity for each camera.

- **Alerts:** Configure the system to send push notifications to your mobile device when human or vehicle motion is detected.

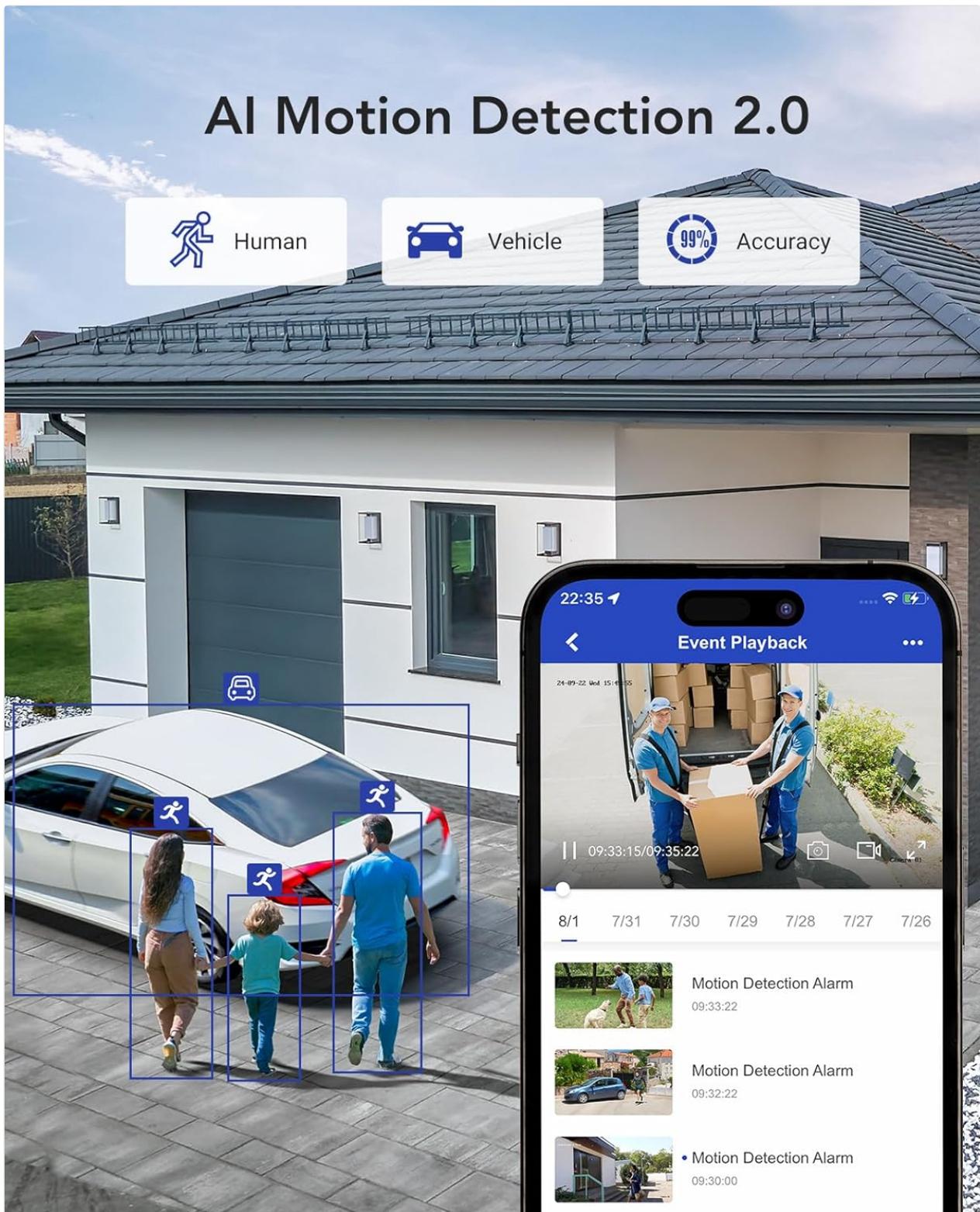


Image: AI Motion Detection 2.0 accurately identifies human and vehicle movement, reducing false alarms.

4.5 Night Vision Options

The cameras offer flexible night vision capabilities:

- **IR Mode (Default):** Provides clear black and white images in low-light conditions using infrared illumination (up to 20m).
- **Color Night Vision:** When human or vehicle targets are detected, the cameras can switch to white light illumination to provide full-color night vision (up to 20m). This can be manually set or configured to activate

upon detection.

Flexible Night Vision Options



Image: Comparison of default IR night vision and full-color night vision options.

4.6 Remote Access

To access your security system remotely:

1. **Download the ANNKE App:** Search for the official ANNKE app on the App Store (iOS) or Google Play Store (Android).
2. **Register an Account:** Create a user account within the app.
3. **Add Your Device:** Follow the in-app instructions to add your DVR using its QR code or serial number.
4. **View Live Feeds and Playback:** Once connected, you can view live camera feeds, play back recorded

footage, and receive alerts from anywhere with an internet connection.

5. MAINTENANCE

5.1 Hard Drive Management

The system utilizes advanced H.265+ video compression, which significantly reduces storage space requirements (up to 50% compared to H.265). The 6TB hard drive provides ample storage. When the hard drive is full, the system will automatically overwrite the oldest recordings to continue recording.

H.265+ Video Compression

Require Less Storage, Record Longer Time

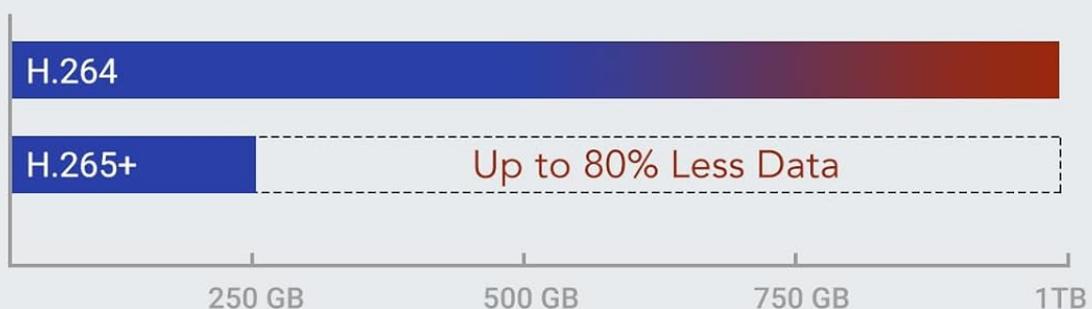
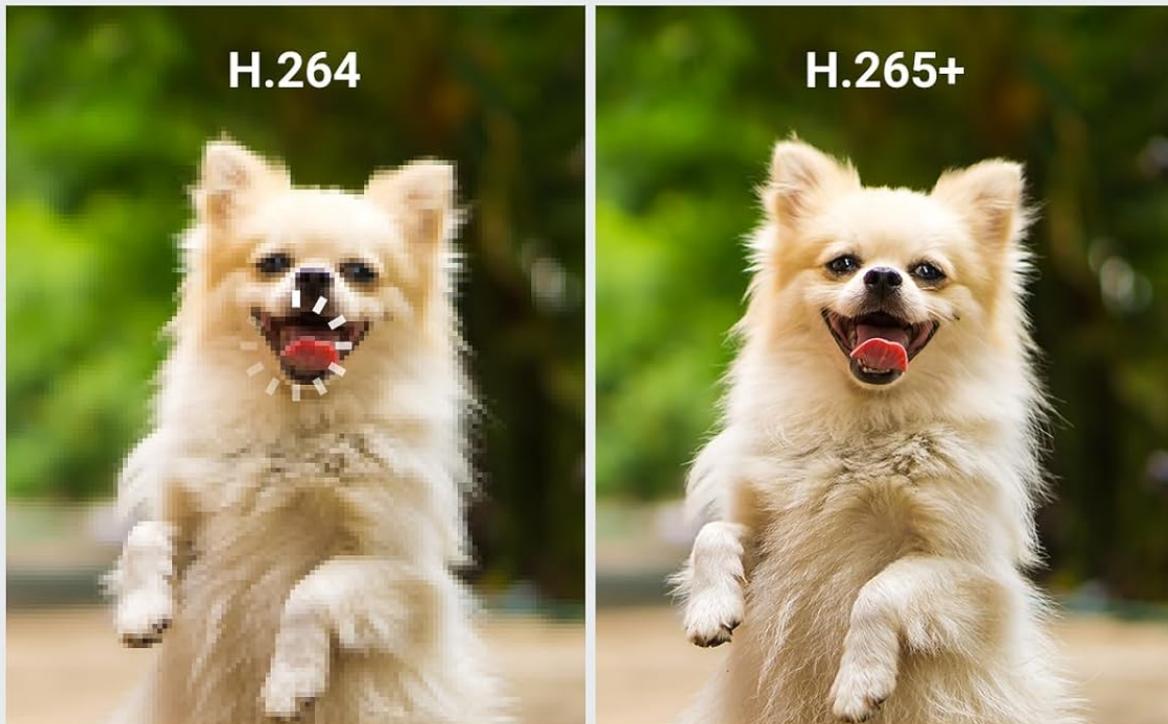


Image: H.265+ video compression efficiently manages storage space, allowing for longer recording times.

5.2 Cleaning

- **Cameras:** Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **DVR:** Keep the DVR free from dust. Ensure ventilation openings are not blocked to prevent overheating.

5.3 Firmware Updates

Regularly check the ANNKE official website for firmware updates for your DVR. Updates can provide new features, improve performance, and enhance security. Follow the instructions provided with the firmware update carefully.

6. TROUBLESHOOTING

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

- **No Video Display:**
Solution: Check all power connections to the DVR and monitor. Ensure the HDMI/VGA cable is securely connected. Verify the monitor input source is correct.
- **No Camera Image:**
Solution: Check the BNC cable connection between the camera and DVR. Ensure the camera is receiving power. Try connecting the camera to a different DVR channel or using a different BNC cable to isolate the issue.
- **No Recording:**
Solution: Check the recording schedule in the DVR settings. Ensure the hard drive is initialized and has sufficient space. Verify that motion detection is properly configured if using motion-triggered recording.
- **Remote Access Not Working:**
Solution: Ensure the DVR is connected to the internet. Check network settings on the DVR and your router. Verify that the ANNKE app is correctly configured and the device is added.
- **False Motion Detection Alarms:**
Solution: Adjust the sensitivity and detection zones in the motion detection settings. Ensure AI Motion Detection 2.0 is enabled to filter out non-human/vehicle movements.

For more complex issues, please refer to the ANNKE support website or contact customer service.

7. SPECIFICATIONS

7.1 DVR Specifications

- **Video Capture Resolution:** 1080p
- **Number of Channels:** 16 (TVI/AHD/CVI/CVBS) + up to 2 IP camera inputs (up to 5 MP)
- **Recording & Playback:** 1080p Lite @ 15 fps encoding capability
- **Video Compression:** Advanced H.265+
- **Memory Storage Capacity:** 6 TB HDD included
- **Special Features:** App Control, Automatic Overwrite, Human Detection, Night Vision, Smart Playback
- **Compatible Devices:** Cameras, Laptops, Personal Computers, Smartphones, Tablets
- **Recording Mode:** Motion detection, Continuous, Scheduled

7.2 Camera Specifications

- **Resolution:** 2 MP, 1920×1080
- **Lens:** 3.6 mm fixed focal lens
- **IR Distance:** Up to 20 m (for black & white night imaging)
- **White Light Distance:** Up to 20 m (for color night imaging)
- **Night Vision Technology:** IR light, switches to white light upon human/vehicle detection
- **Weather Resistance:** IP67 (Water and dust resistant)
- **Operating Temperature:** -40°F to 140°F (-40°C to 60°C)

IP67 Weatherproof & Robust

Extreme Temperature Resilience



140 °F/60 °C

Hot Rating



-40 °F/-40 °C

Cold Rating

Image: The cameras are IP67 weatherproof and designed for extreme temperature resilience.

8. WARRANTY AND SUPPORT

8.1 Product Warranty

ANNKE products typically come with a limited warranty. For specific details regarding the warranty period and terms for your ANNKE 5-in-1 1080P Security Camera System, please refer to the warranty card included in your package or visit the official ANNKE website.

8.2 Technical Support

If you require technical assistance or have questions not covered in this manual, please contact ANNKE customer support through their official website. Support resources often include FAQs, troubleshooting guides, and contact forms for direct assistance.

Online Support: Visit the ANNKE official website for the latest support information and contact options.