ANNKE DW81KD-R1CW

ANNKE 8CH Security Camera System User Manual

Model: DW81KD-R1CW
Brand: ANNKE

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ANNKE 8CH Security Camera System. This system features an 8-channel 3K Lite AI DVR recorder and 8x 3K wired IP67 waterproof CCTV outdoor cameras with smart dual light and one-way audio. Please read this manual carefully before use to ensure proper setup and optimal performance.

Image: The ANNKE 8CH Security Camera System, showing the DVR unit and eight dome-style security cameras.

WHAT'S IN THE BOX

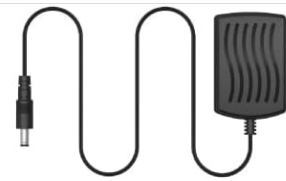Verify that all components listed below are included in your package:

- 1x 8CH 3K Lite DVR (No HDD included)
- 8x 3K CCTV Cameras
- 8x BNC Cables
- 8x Screw Kits for camera mounting
- 3x Power Adapters
- 2x 1-to-4 Splitter Cables
- 1x Ethernet Cable
- 1x HDMI Cable
- 1x USB Mouse
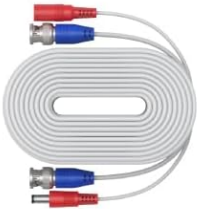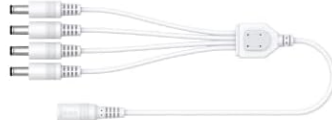- 1x User Manual
- 1x Wall Sticker

X1 DVR　　　　**X8** Camera　　　　**X3** Power Supply

X8 60 ft BNC Cable　　**X2** 1-to-4 Splitter Cable　　**X1** HDMI Cable　　**X1** Network Cable

X1 Wall Sticker　　**X1** User Manual　　**X8** Screw　　**X1** USB Mouse

Image: A visual representation of all items included in the ANNKE Security Camera System package, such as the DVR, cameras, cables, power adapters, and accessories.

Setup

1. DVR Installation

1. **Hard Drive Installation (Optional):** The DVR does not come with a pre-installed hard drive. If you wish to record video, you must install a compatible SATA hard drive (up to 10TB capacity). Refer to the detailed instructions in the separate HDD installation guide if provided, or consult the ANNKE support website.

2. **Connect to Monitor:** Connect the DVR to a monitor using the provided HDMI cable. Ensure the monitor is powered on and set to the correct input.

3. **Connect to Network:** Use the provided Ethernet cable to connect the DVR's LAN port to your router or network switch. This is essential for remote access and online features.

4. **Connect USB Mouse:** Plug the USB mouse into one of the USB ports on the DVR for navigation.

5. **Power On DVR:** Connect the DVR power adapter to the DVR's power input and then to a power outlet. The DVR will power on automatically.

2. Camera Installation

1. **Mount Cameras:** Choose suitable locations for your cameras, ensuring they have a clear field of view and are within range of the BNC cables. Use the provided screw kits to securely mount each camera. The cameras are IP67 weatherproof, suitable for outdoor use.

2. **Connect BNC Cables:** Connect one end of a BNC cable to the video output of each camera and the other end to a corresponding video input port on the DVR.

3. **Power Cameras:** Use the power adapters and 1-to-4 splitter cables to provide power to the cameras. Connect the camera power input to the splitter cable, and the splitter cable to the power adapter, then plug the adapter into a power outlet.

Image: A close-up of an ANNKE security camera partially submerged in water, illustrating its IP67 weatherproof rating and ability to withstand harsh environmental conditions.

3. Initial DVR Configuration

Follow the on-screen prompts on your connected monitor to complete the initial setup, including setting up a password, date/time, and network settings. Ensure the DVR is connected to the internet for remote access features.

4. ANNKE Vision App Setup (Remote Access)

For remote viewing and control, download the ANNKE Vision App from your smartphone's app store. Create an account, add your DVR by scanning the QR code or entering its serial number, and follow the in-app instructions to link your system.

Image: A diagram illustrating the ANNKE DVR's 5-in-1 hybrid compatibility, supporting TVI, AHD, CVI, CVBS, and IP cameras.

OPERATING INSTRUCTIONS

1. Smart Dual-Light Night Vision

Your cameras feature Smart Dual-Light technology, offering three night vision modes:

- **Smart Mode (Default):** Provides black and white night vision. When a human or vehicle is detected, the camera's white light activates, turning the image to full color for better detail.
- **White Light Mode:** The camera's white light remains on continuously at night, providing full-color night vision.
- **IR Night Vision:** Traditional infrared night vision, providing clear black and white images in low light without activating the white light.

You can switch between these modes via the DVR interface or the ANNKE Vision App. The cameras offer up to 25m IR distance and 20m white light distance.

Smart Dual-Light

B&W night vision turns into color when human/vehicle is detected

Image: A split image demonstrating the Smart Dual-Light feature, showing a scene in black and white night vision transforming to color when a human or vehicle is detected.

2. Intelligent Motion Detection (Human/Vehicle Detection)

The DVR utilizes deep learning-based Motion Detection 2.0, capable of classifying human and vehicle targets. This significantly reduces false alarms triggered by animals, rain, or swaying branches.

- **Alerts:** Configure the system to send app push notifications, email alerts, or trigger a buzzer when human or vehicle motion is detected.
- **Area Configuration:** Define specific motion detection zones and sensitivity levels for each camera through the DVR settings.
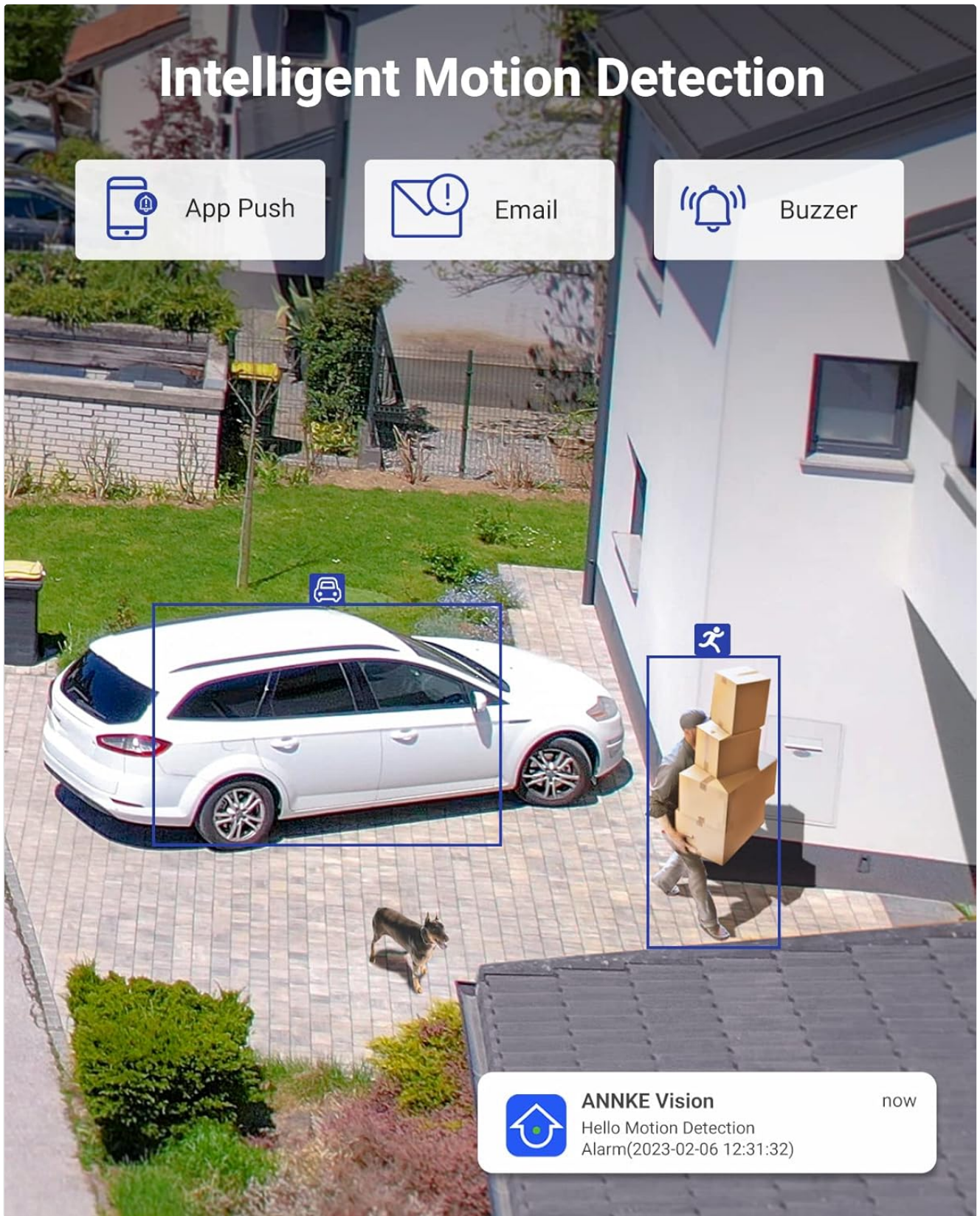
Image: A surveillance footage screenshot highlighting the intelligent motion detection feature, with boxes around a person and a vehicle, and icons for app push, email, and buzzer alerts.

3. Video Resolution and Compression

The system supports 3K (2960 x 1665) resolution for crystal-clear imaging, capturing fine details without distortion. The DVR utilizes H.265+ video compression technology, which significantly reduces file sizes compared to H.264, saving up to 80% of storage space while maintaining video quality. This allows for longer recording times on your hard drive.

3K, Fits Security and the Screen
No hard-to-see details. No display distortion.

Image: A visual comparison demonstrating the superior clarity of 3K resolution compared to 2MP and 3MP, showing more detailed imagery.
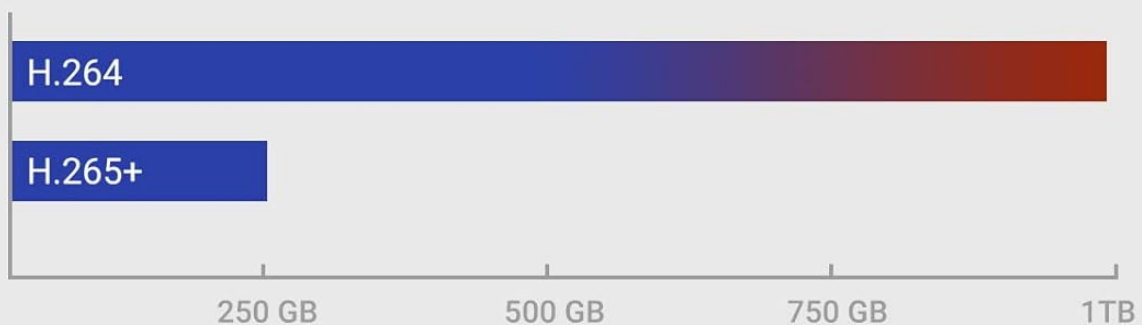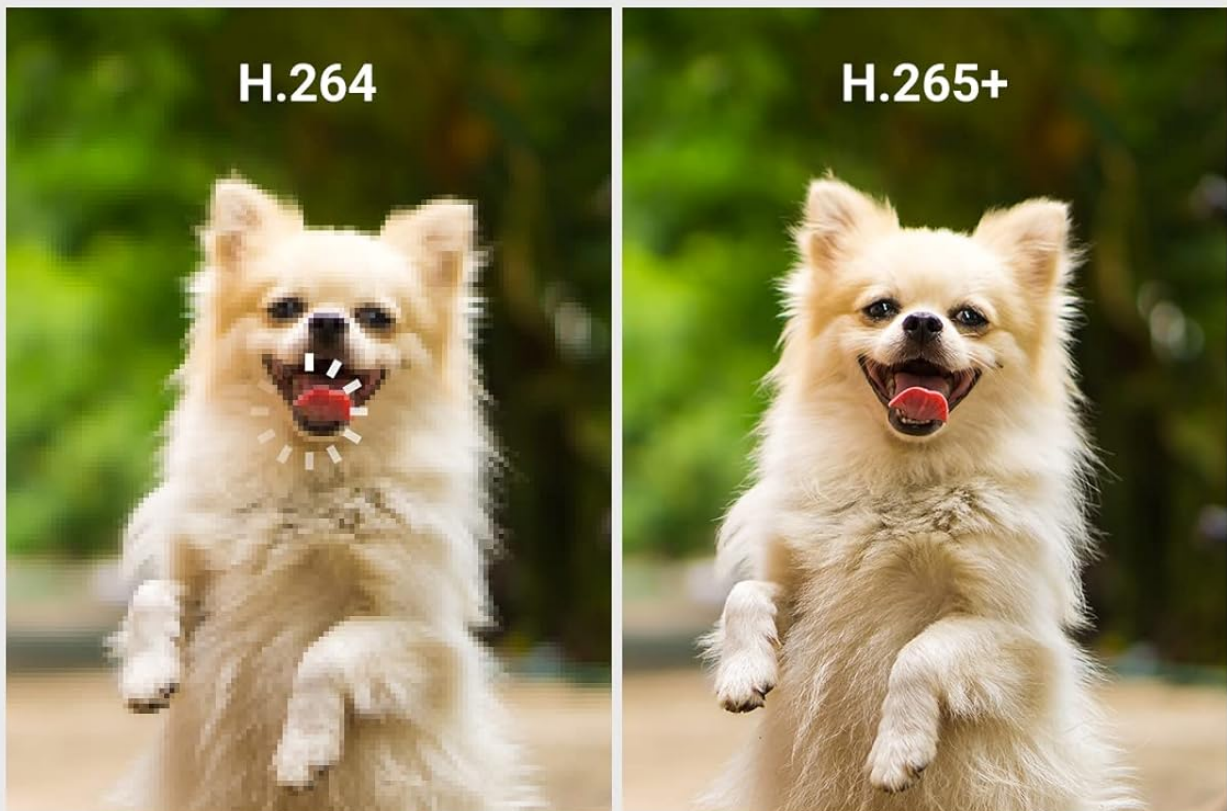
Image: A graph illustrating the storage efficiency of H.265+ compression compared to H.264, showing significantly less storage required for the same amount of video footage.

4. Smart Playback

The smart playback feature allows you to quickly locate essential events by object or event type, saving time when reviewing footage. The DVR supports quick search functions to pinpoint specific incidents.

Image: A timeline interface demonstrating the smart playback feature, showing markers for different events at specific times, allowing users to quickly navigate to important moments.

MAINTENANCE

- **Regular Cleaning:** Periodically clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.

- **Firmware Updates:** Check the ANNKE official website or the ANNKE Vision App for firmware updates for your DVR and cameras. Keeping your system updated ensures optimal performance and security.

- **Cable Management:** Ensure all cables are securely connected and protected from environmental damage or tampering.
- **Hard Drive Health:** If an HDD is installed, regularly check its health status through the DVR interface to prevent data loss.
- **Power Supply:** Use only the provided power adapters. Ensure stable power supply to avoid system interruptions.

TROUBLESHOOTING

- **No Video Output:**

  - Check all cable connections (HDMI, BNC, power).
  - Ensure the monitor is on the correct input source.
  - Verify cameras are powered on.

- **No Remote Access:**

  - Ensure the DVR is connected to the internet via the Ethernet cable.
  - Check network settings on the DVR and router.
  - Verify the ANNKE Vision App is correctly configured and the DVR is added.

- **Recording Issues:**

  - Confirm a hard drive is installed and properly initialized.
  - Check hard drive status for errors or full capacity.
  - Ensure recording schedules are correctly set.

- **False Motion Alarms:**

  - Adjust motion detection sensitivity.
  - Refine motion detection zones to exclude irrelevant areas (e.g., swaying trees).

For further assistance, please refer to the ANNKE support website or contact customer service.

SPECIFICATIONS

Feature	Description
Brand	ANNKE
Model Number	DW81KD-R1CW
Connectivity Technology	Wired
Special Features	Waterproof, Night Vision, Image, Motion Sensor
Number of Channels	8
Memory Storage Capacity	Up to 10 TB (HDD not included)
Power Source	Corded Electric

Feature	Description
Item Dimensions (L x W x H)	17 x 13.3 x 7 inches
Compatible Devices	Cameras (TVI/AHD/CVI/CVBS & IP)
Signal Format	Analog
Low Light Technology	Night color (Smart Dual-Light)
Camera Resolution	3K (2960 x 1665)
DVR Video Compression	H.264+/H.264/H.265/H.265+
Camera IP Rating	IP67
Audio	One-way audio (built-in mic on cameras)

WARRANTY AND SUPPORT

ANNKE products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official ANNKE website for detailed warranty terms and conditions specific to your region and product model.

For technical support, troubleshooting, or any inquiries regarding your ANNKE Security Camera System, please contact ANNKE Customer Service. You can find contact information and frequently asked questions on the official ANNKE support page: www.annke.com/support

Extended protection plans may be available for purchase separately. Please check with your retailer for options.