

ANNKE AU-DW81KD1-V7-54BH-V3-P

ANNKE 8CH H.265+ 3K Lite Wired Security Camera System User Manual

Model: **AU-DW81KD1-V7-54BH-V3-P**

Brand: **ANNKE**

Overview	What's in the Box	Setup	Operation	Maintenance	Troubleshooting	Specifications
			Warranty & Support			

1. PRODUCT OVERVIEW

The ANNKE 8CH H.265+ 3K Lite Wired Security Camera System provides comprehensive surveillance for your home or business. This system features advanced AI Human/Vehicle Detection, ensuring accurate alerts and reducing false alarms. With 2MP CCTV IP67 cameras, Smart Dual Light technology, and Color Night Vision, it delivers clear and detailed footage day and night. The pre-installed 1TB hard drive offers reliable 24/7 continuous recording, enhanced by H.265+ compression for efficient storage and bandwidth usage.



Figure 1.1: Overview of the ANNKE 8CH H.265+ 3K Lite Wired Security Camera System, showing the DVR, four bullet cameras, and a 1TB hard drive.

Key Features:

- **AI Motion Detection 2.0:** Advanced human and vehicle detection with flexible detection areas for precise alerts and smart searching in recordings.
- **Versatile Compatibility:** Works with TVI, AHD, CVI, CVBS, and IP cameras, allowing for system expansion with various camera types.
- **24/7 Continuous Recording:** Equipped with a pre-installed 1TB surveillance-grade HDD (expandable up to 10TB) for reliable, continuous video storage.
- **H.265+ Compression:** Efficiently saves storage space and reduces bandwidth usage, enabling longer recording times and smoother video viewing.
- **Smart Dual-Light & Color Night Vision:** Offers crisp full-color night vision, IR mode, and flexible switching. Cameras can see up to 100ft in B&W and 66ft in full color at night.
- **IP67 Weatherproof Cameras:** Designed to withstand extreme weather conditions, suitable for outdoor installation.
- **Secure & Professional Solution:** Passed UL, CE, HDMI certifications, with GDPR-compliant ANNKE App ensuring secure data transfer and no monthly fees.

Accurate Detection

Human/Vehicle



Figure 1.2: Illustration of the AI Human and Vehicle Detection feature, showing how the system identifies and distinguishes between human figures and vehicles for accurate alerts.

Motion-Triggered Color Night Vision



Figure 1.3: Demonstrates the difference between traditional black and white night vision and the enhanced Smart Color Night Vision provided by the system's dual-light technology.

Outshining H.265+ Compress



Occupy **100%** Bandwidth



Occupy **25%** Bandwidth



Figure 1.4: Visual representation of H.265+ video compression, highlighting its ability to save up to 75% more storage space compared to H.264, allowing for longer recording durations.

2. WHAT'S IN THE BOX

Upon unboxing your ANNKE Security Camera System, please verify that all the following components are included:

- 1x 8CH 3K Lite DVR with 1TB Hard Drive Pre-installed

- 4x 2MP Bullet Cameras
- 4x 60 ft BNC Cables
- 2x 12V Power Adapters
- 1x 4-to-1 Power Splitter Cable
- 4x Mounting Screw Kits
- 1x Ethernet Cable
- 1x HDMI Cable
- 1x USB Mouse
- 1x User Manual (this document)
- 1x Wall Sticker

What's in the Box?



X1 DVR & **1TB** Hard Drive



X4 Camera



X4 60 ft BNC Cable



X1 1-to-4 Splitter Cable



X2 Power Supply



X1 HDMI Cable



X1 Network Cable



X1 USB Mouse



X1 Wall Sticker



X1 User Manual



X4 Screw

Figure 2.1: Visual representation of all items included in the product packaging, ensuring you have all necessary components for installation.

3. SYSTEM SETUP

This section guides you through the initial setup of your ANNKE Security Camera System, from physical connections to network configuration.

3.1 Physical Connection

1. **Connect Cameras:** Use the provided BNC cables to connect each camera to the corresponding BNC input ports on the back of the DVR.
2. **Power Cameras:** Use the 12V power adapters and the 4-to-1 power splitter cable to provide power to all cameras.
3. **Connect DVR to Monitor:** Connect the DVR to a monitor using the HDMI cable (recommended for best quality) or VGA cable.
4. **Connect USB Mouse:** Plug the USB mouse into one of the USB ports on the DVR for navigation.
5. **Network Connection (Optional but Recommended):** Connect the DVR to your router using the Ethernet cable for remote viewing and updates.
6. **Power On DVR:** Connect the DVR to a power outlet using its dedicated power adapter. The system will boot up.

3.2 Initial Configuration

Follow the on-screen prompts to complete the initial setup wizard. This typically includes:

- Setting up a strong password for the DVR.
- Configuring date and time settings.
- Network settings (DHCP is usually sufficient for most home networks).
- Hard drive initialization (if prompted, ensure the 1TB HDD is recognized and formatted).

Security in Your Hands



Figure 3.1: The ANNKE Vision app interface on a smartphone, demonstrating remote viewing capabilities and control over the security system.

3.3 Mobile App Setup (ANNKE Vision)

To access your security system remotely, download the ANNKE Vision app from the Google Play Store or Apple App Store.

1. **Download and Install:** Search for "ANNKE Vision" and install the app on your smartphone or tablet.

2. **Create Account:** Open the app and register for a new account if you don't have one.
3. **Add Device:** Tap the "+" icon to add a new device. Select "DVR" or "Wired System".
4. **Scan QR Code:** Use the app to scan the QR code displayed on your DVR's monitor (usually found in the network settings or P2P cloud section). Alternatively, manually enter the device serial number.
5. **Verify:** Enter the DVR's verification code (the password you set during initial configuration).
6. **Live View:** Once added, you should be able to view live feeds from your cameras.

4. OPERATING INSTRUCTIONS

This section covers the basic operation of your ANNKE Security Camera System, including live viewing, recording, and playback.

4.1 Live View

- **On Monitor:** After booting, the DVR will automatically display the live view from all connected cameras. Use the USB mouse to navigate the interface, switch camera views, or access menus.
- **Via Mobile App:** Open the ANNKE Vision app. Select your device to see the live feeds. You can tap on individual camera views to enlarge them, take snapshots, or record clips directly to your phone.

4.2 Recording and Playback

The system is configured for 24/7 continuous recording by default. You can also set up event-triggered recording.

- **Access Playback:** On the DVR interface, right-click with the mouse and select "Playback" or find the playback icon.
- **Select Date and Time:** Choose the date and time range you wish to review. The timeline will show recorded segments.
- **Smart Search:** Utilize the AI Human/Vehicle Detection feature for smart searching in recordings to quickly locate specific events.
- **Export Footage:** Connect a USB flash drive to the DVR to export recorded video clips.

4.3 Motion Detection and Alerts

Configure motion detection settings to receive alerts when activity is detected.

- **Access Settings:** Navigate to the "Event" or "Alarm" settings menu on the DVR.
- **Configure Detection Area:** Define specific areas within the camera's view where motion detection should be active. This helps reduce false alarms from irrelevant areas.
- **Sensitivity Adjustment:** Adjust the sensitivity level to fine-tune motion detection. Higher sensitivity detects smaller movements, but may lead to more false alarms.
- **Alert Notifications:** Set up immediate pushes to your phone via the ANNKE Vision app, or email alerts, when human or vehicle motion is detected.



Figure 4.1: An example of human and vehicle detection, illustrating how the system identifies subjects and sends instant notifications.



Figure 4.2: The smart search timeline feature on the mobile app, allowing users to quickly navigate and review recordings based on detected human or vehicle events.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your security system.

5.1 Hard Drive Management

- **Continuous Recording:** The 1TB HDD is designed for 24/7 surveillance. When the hard drive is full, the system will automatically overwrite the oldest footage.
- **Check HDD Status:** Periodically check the hard drive status in the DVR's system settings to ensure it is functioning correctly.
- **Backup Important Footage:** Regularly back up any critical video footage to an external USB drive or network storage to prevent accidental loss due to overwriting.

Built for 24/7 Surveillance

Assured Your Peace of Mind



Figure 5.1: The pre-installed 1TB surveillance-grade hard drive, built for continuous 24/7 recording and reliable data storage.



Figure 5.2: Illustration of the DVR's scalable storage, supporting up to 10TB HDD capacity for extended recording needs.

5.2 Camera Cleaning

Periodically clean the camera lenses to ensure clear image quality.

- **Power Off:** Disconnect power to the cameras before cleaning.
- **Gentle Cleaning:** Use a soft, lint-free cloth dampened with water or a mild lens cleaning solution. Avoid abrasive materials or harsh chemicals.
- **Remove Debris:** Gently wipe away dust, dirt, spiderwebs, or water spots from the lens and housing.

5.3 Firmware Updates

Check the ANNKE official website or the ANNKE Vision app for available firmware updates for your DVR. Firmware updates can improve system performance, add new features, and enhance security.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your ANNKE Security Camera System.

6.1 No Video Display

- **Check Power:** Ensure the DVR and all cameras are properly powered on.
- **Cable Connections:** Verify that all BNC cables are securely connected between cameras and the DVR, and that the HDMI/VGA cable is firmly connected to the monitor.
- **Monitor Input:** Confirm your monitor is set to the correct input source (HDMI, VGA).
- **Camera Compatibility:** Ensure the cameras are compatible with the DVR (this system supports TVI, AHD, CVI, CVBS & IP cameras).

6.2 Remote Access Issues

- **Network Connection:** Verify the DVR is connected to the internet via the Ethernet cable and your router is functioning.
- **App Status:** Ensure the ANNKE Vision app is updated to the latest version.
- **QR Code/Serial Number:** Double-check that the correct QR code or serial number was used to add the device to the app.

- **Verification Code:** Confirm the DVR's verification code (password) entered in the app is correct.
- **Firewall/Router Settings:** In some cases, router firewall settings might block access. Consult your router's manual or ANNKE support for port forwarding or UPnP settings if necessary.

6.3 False Motion Alerts

- **Adjust Sensitivity:** Lower the motion detection sensitivity in the DVR's event settings.
- **Refine Detection Area:** Exclude areas with frequent irrelevant motion (e.g., swaying trees, busy roads) from the detection zone.
- **AI Detection:** Ensure AI Human/Vehicle Detection is enabled and configured correctly to filter out non-human/vehicle movements.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	ANNKE
Model Number	AU-DW81KD1-V7-54BH-V3-P
Connectivity Technology	Wired
Video Capture Resolution	1080p
Special Feature	Human Detection, Vehicle Detection
Number of Channels	8
Memory Storage Capacity	1 TB (expandable up to 10 TB)
Color	Black
Power Source	Corded Electric
Item Dimensions L x W x H	14.57 x 11.81 x 7.56 inches
Operating System	Embedded Linux
Recommended Uses	Home Security
Compatible Devices	Laptops, Personal Computers, Smartphones, TV, Tablets
Low Light Technology	Night Vision (Color Night Vision, IR Mode)
Focal Length Description	3.6 mm
Night Vision Range	100 Feet (B&W), 66 Feet (Full-Color)
Frame Rate	Live viewing with 1080P@30fps / Recording with 1080P@15fps
Recording Mode	Event, Schedule, Continuous
Total USB Ports	2

Feature	Specification
Hardware Interface	AV Port, HDMI, SATA 3.0 Gb/s, USB 2.0, VGA
Lens Type	Fixed
Video Input	BNC
Viewing Angle	82.2 Degrees
IP Rating	IP67 Weatherproof
UPC	712971020818
Item Weight	9.2 pounds
Date First Available	June 19, 2015

IP67 Weatherproof & Robust

Extreme Temperature Resilience



140 °F/60 °C

Hot Rating



-40 °F/-40 °C

Cold Rating

Figure 7.1: The IP67 weatherproof rating of the cameras, indicating their ability to withstand extreme temperatures from -40°F to 140°F (-40°C to 60°C).

Powerful 5-In-1 Compatibility DVR

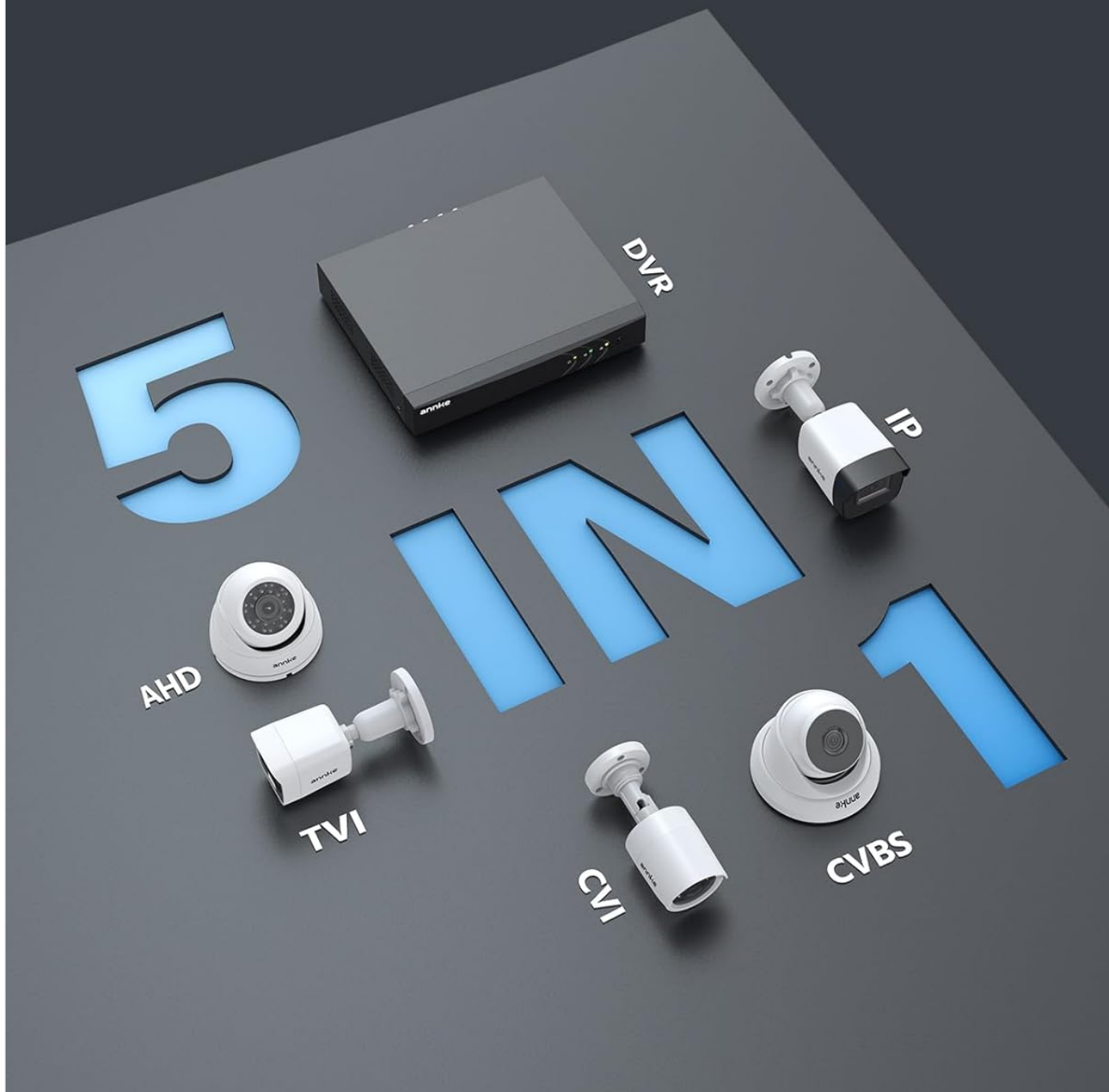


Figure 7.2: The DVR's powerful 5-in-1 compatibility, supporting AHD, TVI, CVI, CVBS, and IP camera types.

8. WARRANTY AND SUPPORT

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

8.1 Product Warranty

For detailed warranty information, please refer to the official ANNKE website or contact their customer support. Protection plans may also be available for extended coverage.

- **Return Policy:** This product typically has a 30-day return/replacement policy from the date of purchase.
- **Protection Plans:** Optional 2-Year and 3-Year Protection Plans are available for purchase to extend coverage beyond the standard warranty.

8.2 Technical Support

ANNKE offers professional support to assist you with any questions or issues regarding your security system. There are no monthly fees for support.

- **Online Resources:** Visit the official ANNKE website for FAQs, troubleshooting guides, and software downloads.
- **Contact Support:** For direct assistance, contact ANNKE's customer support team. Contact details are usually available on their official website or within the ANNKE Vision app.
- **Lifetime Technical Help:** ANNKE provides lifetime technical assistance for their products.



Figure 8.1: ANNKE's commitment to customer support, highlighting after-sale support, quick response, needs-based solutions, and lifetime technical assistance.



Figure 8.2: Emphasizing data security with local storage and bank-level encryption to protect user data.



Figure 8.3: The Transparency verification process, allowing users to scan a unique code to confirm product authenticity.

