ANNKE DW81KD2-V3-R8BG-V2-P

ANNKE 8-Channel 5MP Lite Hybrid DVR Security Camera System User Manual

Model: DW81KD2-V3-R8BG-V2-P

1. Introduction

Thank you for choosing the ANNKE 8-Channel 5MP Lite Hybrid DVR Security Camera System. This manual provides essential information for the proper installation, operation, and maintenance of your security system. Please read it thoroughly before use and retain it for future reference. This system is designed to provide reliable surveillance for your home or business, featuring 5MP cameras, a versatile 5-in-1 DVR, and remote access capabilities.

2. What's Included

Verify that all components listed below are present in your package. If any items are missing or damaged, please contact ANNKE customer support.

- 1x 8-Channel 5MP Lite DVR (2TB HDD Included)
- 8x 5MP 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 (this document)
- 1x Wall Sticker



Image: All components included in the ANNKE Security Camera System package, laid out for identification.

3. Product Overview

3.1. 5-in-1 Hybrid DVR

The Digital Video Recorder (DVR) is the central unit of your security system. It supports multiple camera types (TVI, AHD, CVI, CVBS, and IP cameras), allowing for flexible system expansion. The pre-installed 2TB hard drive provides ample storage for recorded footage.

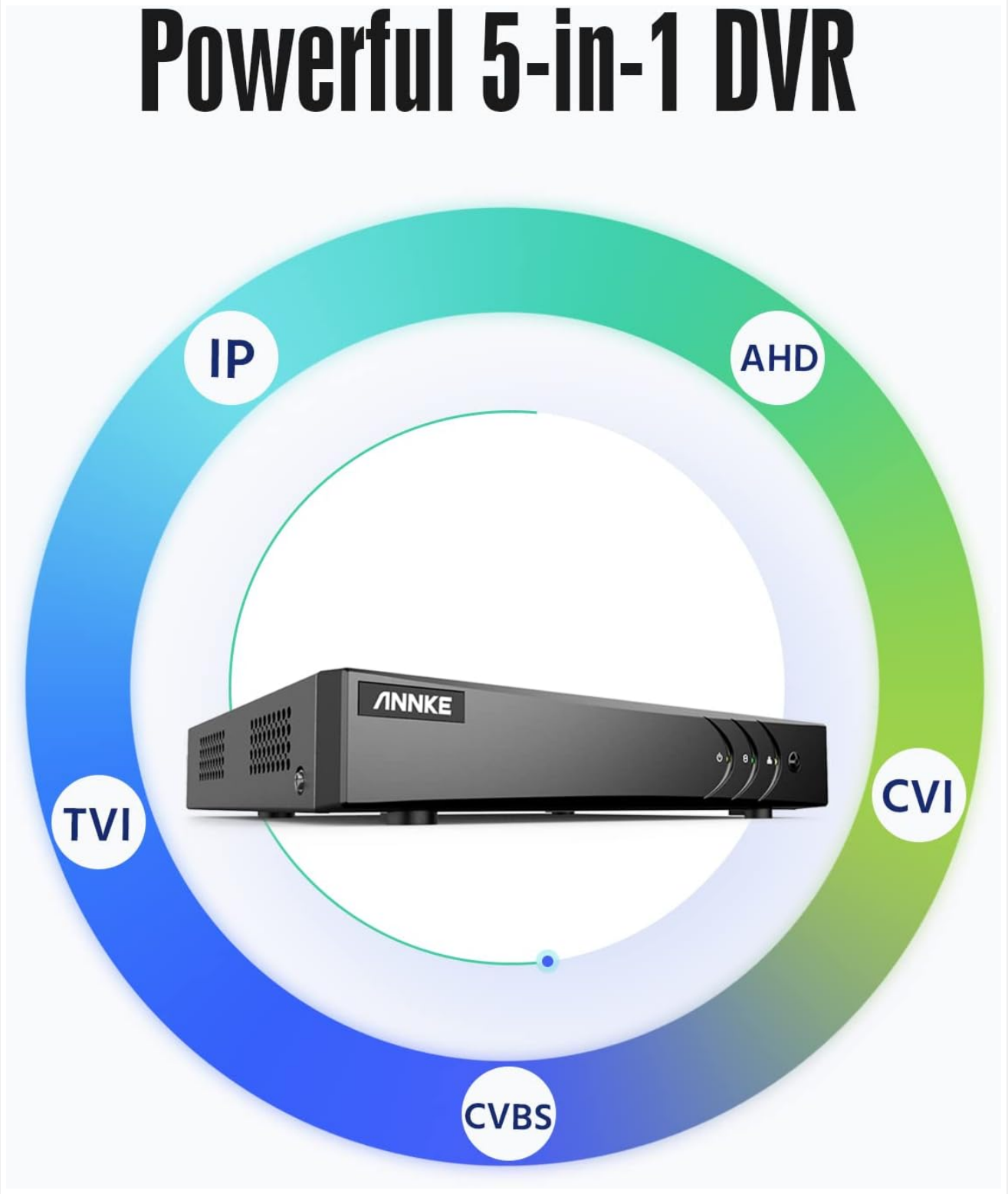


Image: A diagram showing the ANNKE DVR at the center, with labels indicating its compatibility with IP, AHD, CVI, CVBS, and TVI camera types.

3.2. 5MP IP67 Weatherproof Cameras

The included cameras capture video at 5-megapixel resolution, providing clear and detailed images. With an IP67 weatherproof rating, these cameras are suitable for both indoor and outdoor installation, capable of withstanding various environmental conditions. They feature Smart IR for night vision up to 100 feet (30 meters).



Image: An ANNKE bullet camera shown partially submerged in water, illustrating its IP67 weatherproof and dustproof capabilities.

3.3. High-Resolution Imaging

The system provides 5MP Super HD resolution, offering significantly more detail compared to standard 1080p systems. This enhanced clarity is crucial for identifying important details in surveillance footage.

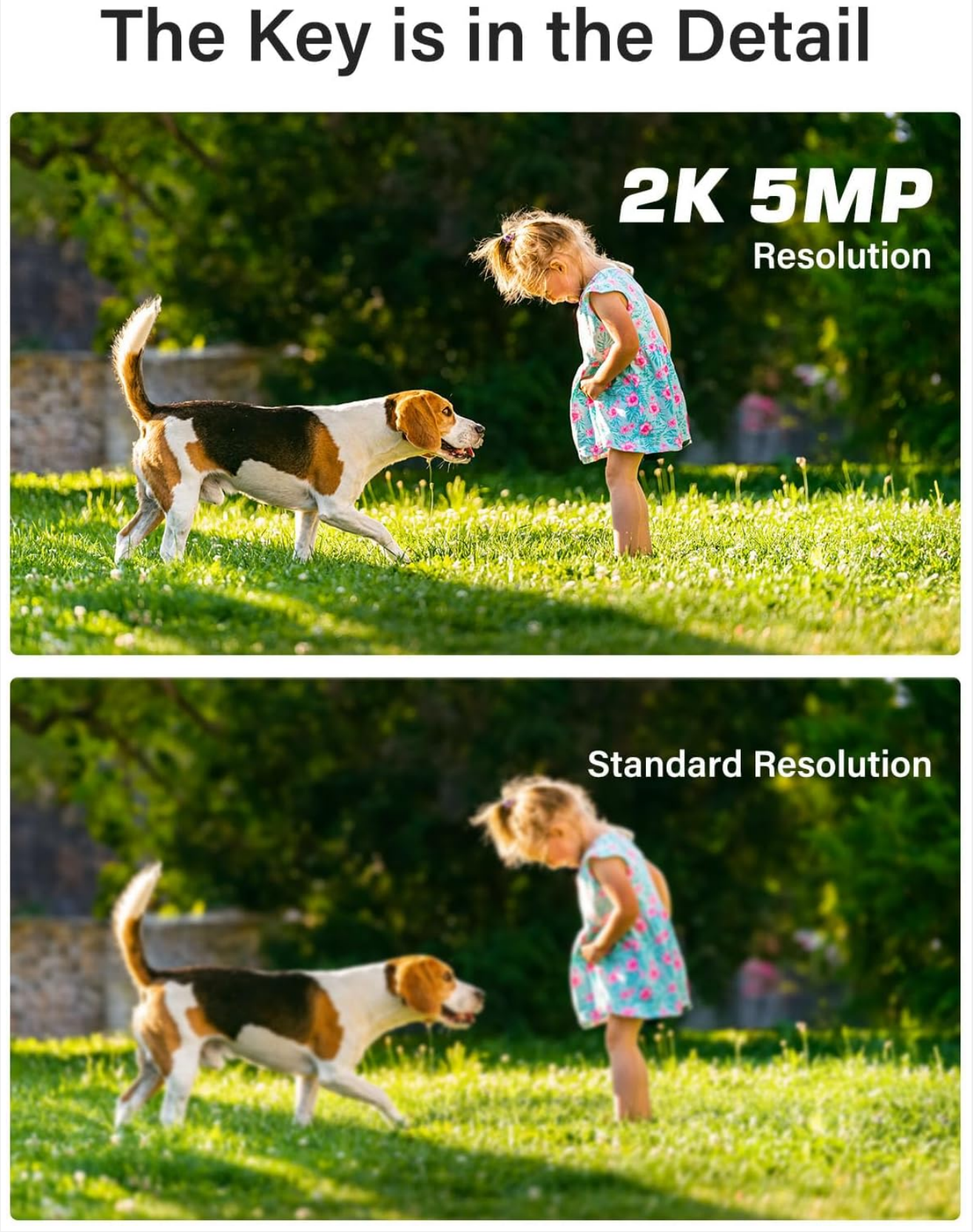


Image: A side-by-side comparison demonstrating the superior detail of 2K 5MP resolution over standard resolution in a scene with a child and a dog.

3.4. H.265+ Video Compression

The DVR utilizes advanced H.265+ video compression technology. This allows for efficient storage usage, reducing file sizes by up to 80% compared to H.264, without compromising video quality. This means longer recording times on the same hard drive capacity.

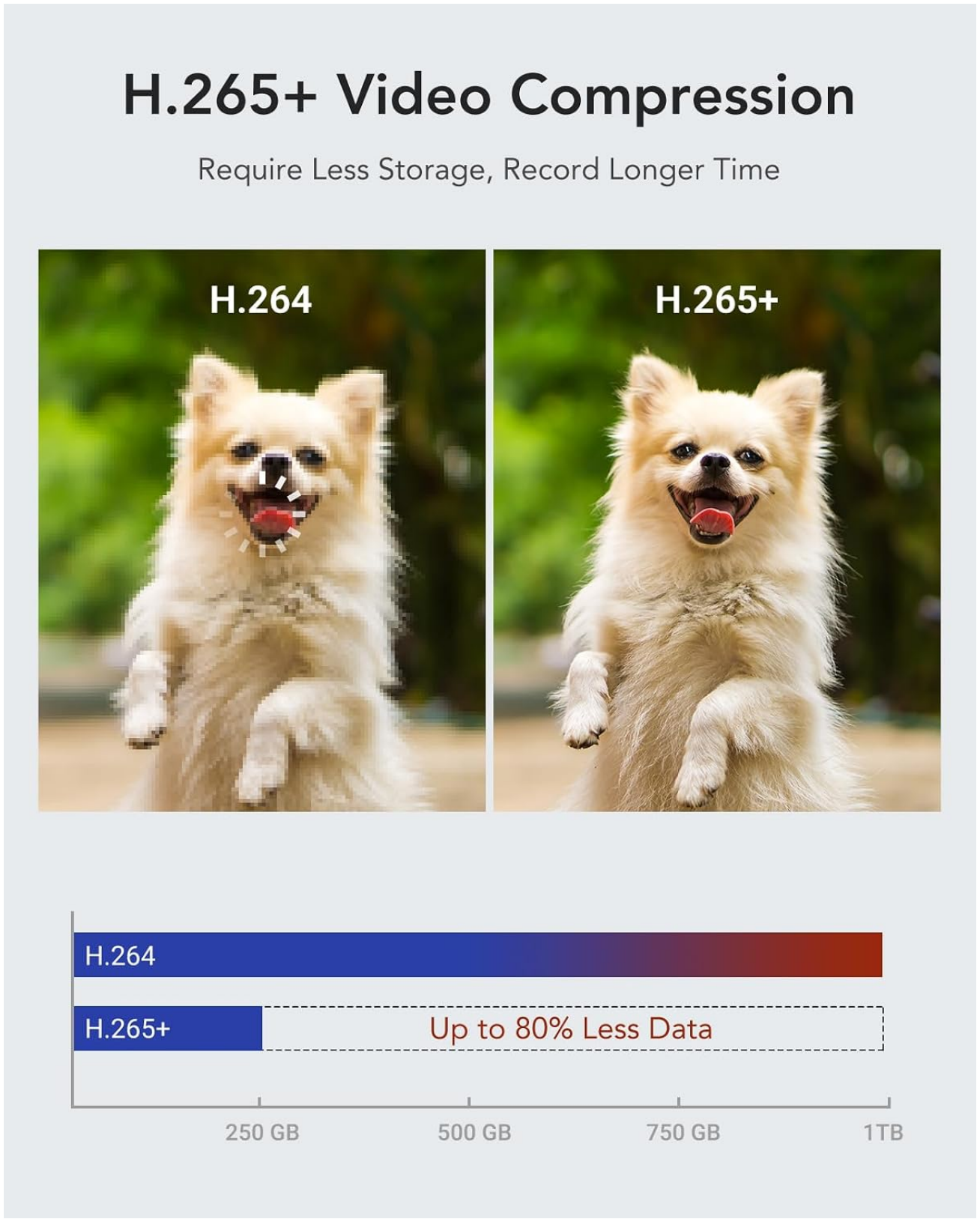


Image: A visual representation comparing H.264 and H.265+ video compression, showing that H.265+ requires significantly less storage space for the same video content.

4. System Setup

4.1. Connecting the DVR

1. **Connect Cameras:** Attach each camera to the DVR using the provided BNC cables. Ensure connections are secure.
2. **Connect to Monitor:** Use the HDMI cable to connect the DVR to a monitor or TV for local viewing.

3. **Connect USB Mouse:** Plug the USB mouse into a USB port on the DVR for navigation.
4. **Network Connection:** Connect the DVR to your router using the Ethernet cable for remote access and network features.
5. **Power On:** Connect the DVR power adapter to the DVR and then to a power outlet. The system will boot up automatically.

4.2. Camera Installation

Select appropriate locations for your cameras, considering coverage area, lighting conditions, and proximity to power sources. Use the provided screw kits to securely mount the cameras. Ensure the cables are routed safely and protected from environmental damage.

5. Operation

5.1. Initial Configuration

Upon first boot, the system will guide you through an initial setup wizard to configure language, date/time, network settings, and create an administrator password. Follow the on-screen instructions.

5.2. Live View and Recording

After setup, the DVR will display live feeds from all connected cameras. The system is configured to record continuously by default. You can adjust recording schedules, motion detection settings, and other parameters through the DVR's main menu.

5.3. Remote Access (ANNKE Vision App)

To access your security system remotely, download the ANNKE Vision app from the App Store (for iOS devices) or Google Play (for Android devices).

1. **Download App:** Search for "ANNKE Vision" in your device's app store.
2. **Register Account:** Create a new account within the app.
3. **Add Device:** Follow the in-app instructions to add your DVR by scanning the QR code on the DVR or manually entering its serial number.
4. **View Footage:** Once added, you can view live feeds, play back recordings, and receive alerts from anywhere with an internet connection.

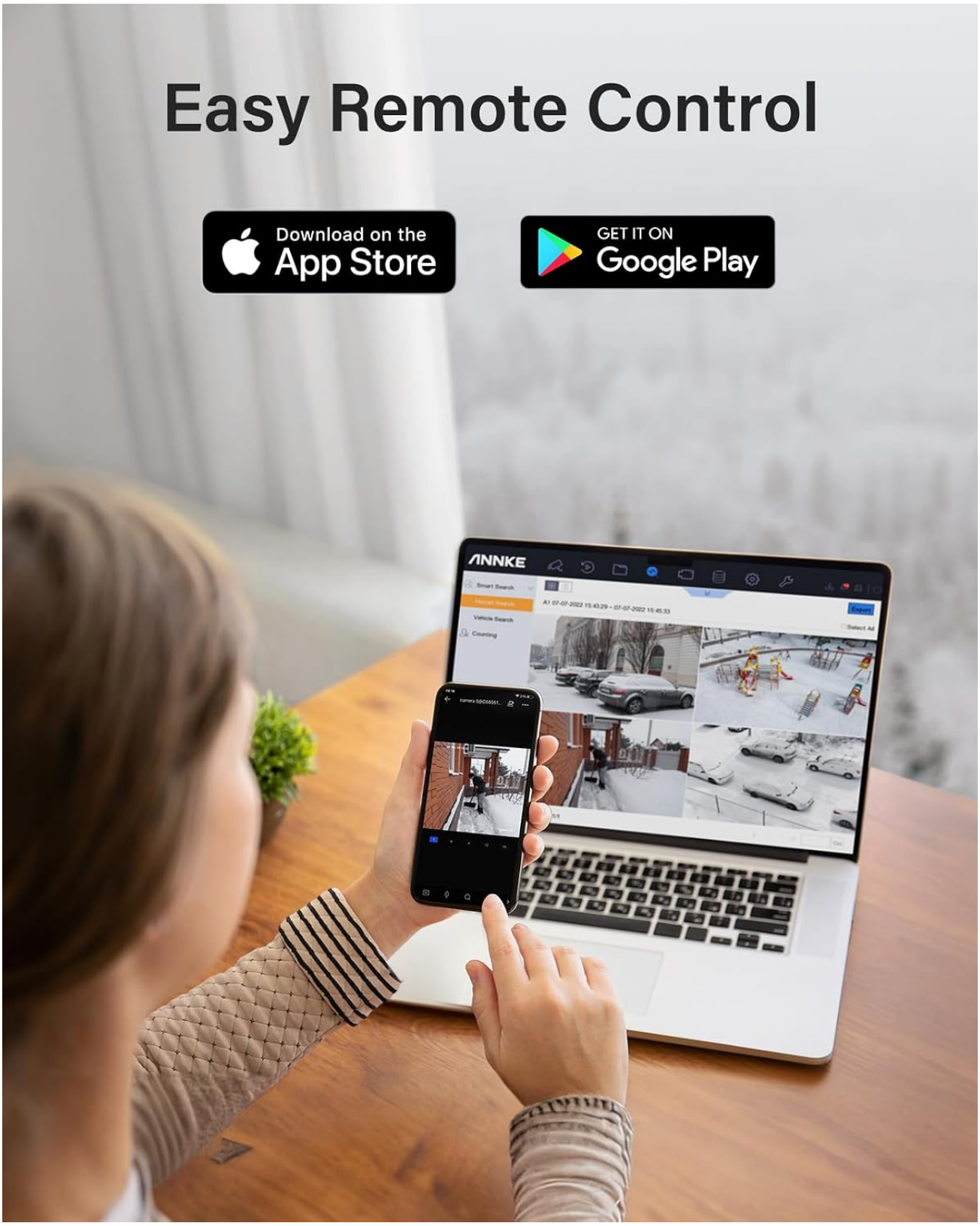


Image: A user interacting with the ANNKE Vision application on both a smartphone and a laptop, demonstrating the remote control capabilities of the security system.

5.4. Data Security

The system employs bank-level 256-bit AES encryptions and ANNKE private protocols to ensure secure video transmission and data protection. The ANNKE Vision App is compliant with GDPR standards.



Image: A stylized graphic depicting a digital shield with a lock icon, symbolizing the bank-level encryption and data security features of the ANNKE system.

6. Maintenance

6.1. Cleaning

Regularly clean the camera lenses with a soft, damp cloth to ensure clear image quality. For the DVR, keep it in a well-ventilated area and periodically clean dust from vents to prevent overheating.

6.2. Firmware Updates

Check the ANNKE official website or the ANNKE Vision app periodically for firmware updates. Keeping your system's firmware up-to-date ensures optimal performance, security, and access to new features.

6.3. Hard Drive Management

The 2TB hard drive is designed for continuous recording. When the drive is full, the system will automatically overwrite the oldest footage. You can configure recording settings and manage storage through the DVR's menu.

7. Troubleshooting

- **No Video Output:**
  - Check all cable connections (HDMI, BNC, power).
  - Ensure the monitor is set to the correct input source.
  - Verify the DVR is powered on.
- **No Remote Access:**
  - Ensure the DVR is connected to the internet via Ethernet cable.
  - Check your router's internet connection.
  - Verify the ANNKE Vision app is updated and the device is correctly added.
  - Confirm network settings on the DVR are correct (DHCP enabled or static IP configured).
- **Poor Image Quality:**
  - Clean camera lenses.
  - Check BNC cable connections for looseness or damage.
  - Ensure cameras are receiving adequate power.
- **Recording Issues:**
  - Check hard drive status in DVR settings.
  - Verify recording schedules are correctly configured.
  - Ensure sufficient hard drive space is available.

8. Specifications

8.1. DVR Specifications

Feature	Detail
Video Compression	H.264+/H.264/H.265/H.265+
Video Input	8CH Analog HD/Analog + 2CH IP camera
Video Output	HDMI and VGA up to 1080p
Audio Input/Output	1/1 RCA
Supported Camera Types	TVI (5MP, 4MP, 3MP, 1080p, 720p), AHD (4MP, 1080p, 720p), CVI (4MP, 1080p, 720p), CVBS

IPC Recording/Playback Resolution	Up to 6MP
HDD Interface	1 SATA Interface
HDD Capacity	Up to 6 TB (2TB Included)
USB	USB 2.0 X2
Operating Power	DC 12 V
Dimensions (L x W x H)	10.2 x 8.7 x 1.8 inches (260 x 222 x 45 mm)

8.2. Camera Specifications

Feature	Detail
Image Sensor	5MP CMOS Image sensor
Video Resolution	2560 (H) × 1944 (V)
Signal System	PAL/NTSC
Frame Rate	5 MP@20fps, 4 MP@25/30fps, 1080p@25/30fps
Lens	2.8mm
Angle of View	85.5°
Night Vision Distance	Up to 100ft/30m (with Smart IR)
DNR	2D DNR
Wide Dynamic Range	Digital WDR
IR Cut Filter	Yes
Video Output	HD BNC×1
Housing	Plastic
Operating Power	DC12V
Weatherproof Rating	IP67
Dimensions (L x W x H)	6.42 x 2.4 x 2.28 inches (163 x 61 x 58 mm)

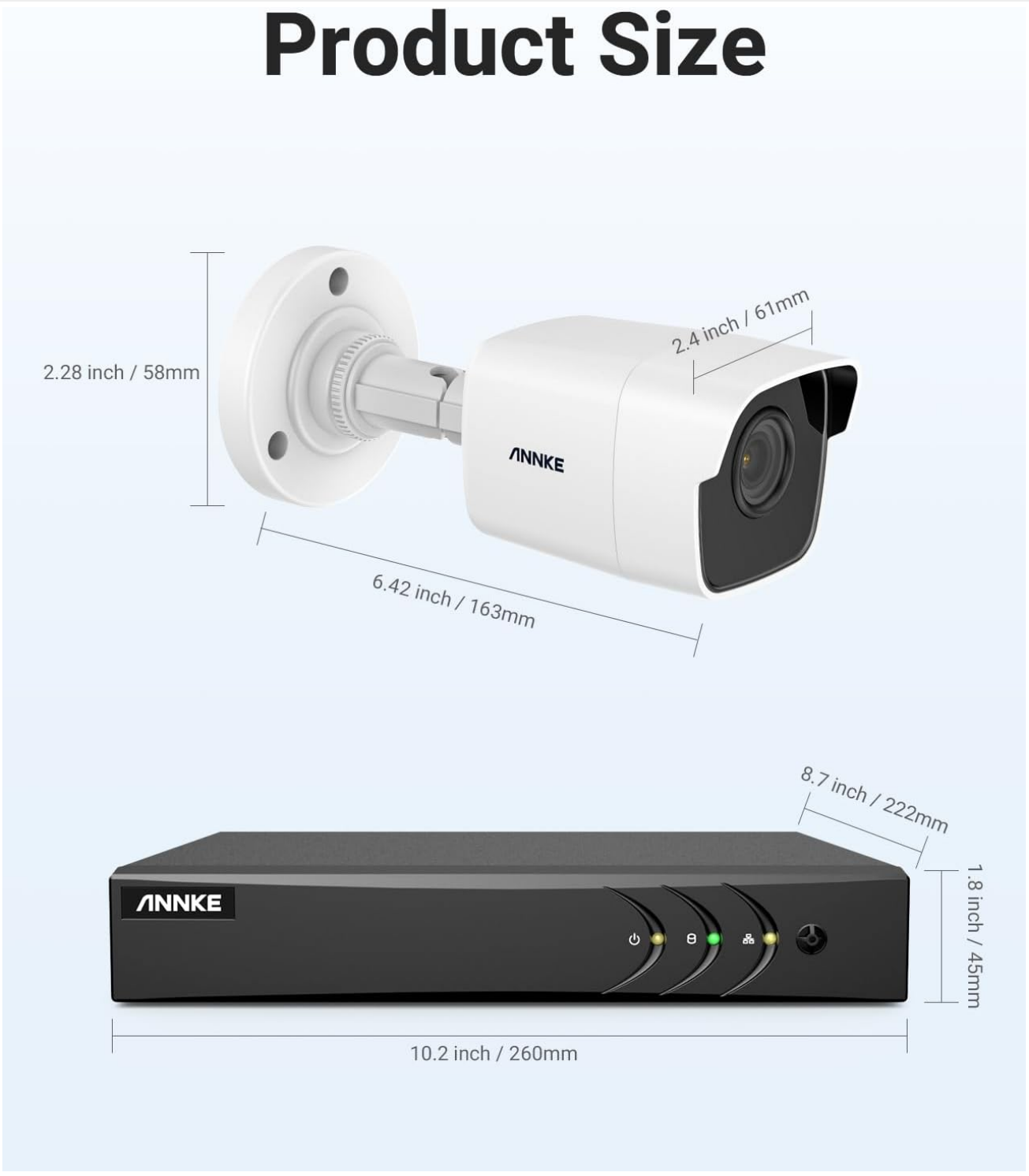


Image: Technical drawing showing the dimensions of both the ANNKE bullet camera and the DVR unit in inches and millimeters.

9. Warranty and Support

9.1. Warranty Information

ANNKE products typically come with a limited 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.

9.2. Customer Support

For technical assistance, troubleshooting, or any questions regarding your ANNKE security system, please contact ANNKE customer support.

- **Online Support:** Visit the official ANNKE website for FAQs, support articles, and contact options.
- **Email Support:** Refer to your warranty card or the ANNKE website for the appropriate support email address.
- **Brand Store:** You can also find support resources and product information on theANNKE Amazon Store.

© 2024 ANNKE. All rights reserved. Information in this manual is subject to change without notice.