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- › KERUI /
- › KERUI 5MP 8Channel Security Camera DVR System User Manual

KERUI 8CH-2TB

KERUI 5MP 8Channel Security Camera DVR System User Manual

Model: 8CH-2TB

1. PRODUCT OVERVIEW

The KERUI 5MP 8-Channel Security Camera DVR System is a comprehensive surveillance solution designed for both day and night monitoring. This DVR supports 5MP resolution, ensuring clear and detailed image capture. It is compatible with various camera types including AHD, TVI, CVI, CVBS, and IP cameras, offering versatile connectivity for up to 8 channels. Featuring H.265+ video compression, it optimizes storage efficiency while maintaining high video quality. The system includes a pre-installed 2TB hard drive for continuous recording and offers intelligent alarm functions and remote access capabilities for enhanced security management.



Figure 1.1: Front and rear view of the KERUI 8-Channel DVR, highlighting the included 2TB hard drive.

2. WHAT'S IN THE BOX

Please verify that all items are present and in good condition upon unpacking.

- 1 x KERUI 8-Channel DVR Recorder
- 1 x 2TB Hard Drive (Pre-installed)
- Power Adapter
- USB Mouse
- User Manual (this document)

3. SETUP GUIDE

Follow these steps to set up your KERUI DVR system.

3.1 Connecting Your DVR

1. **Connect Cameras:** Connect your AHD, TVI, CVI, CVBS, or IP cameras to the "VIDEO IN" BNC ports on the rear of the DVR. The DVR supports up to 8 cameras.
2. **Connect Display:** Connect a monitor to the DVR using either the HDMI (HD-port) or VGA port.
3. **Connect Audio (Optional):** If using cameras with audio or an external microphone, connect them to the "AUDIO IN" RCA port. Connect speakers to the "AUDIO OUT" RCA port for audio playback.
4. **Connect Network:** For remote access and network features, connect an Ethernet cable from the "NET" RJ45

port on the DVR to your router or network switch.

5. **Connect USB Devices:** Plug the included USB mouse into one of the "USB" ports for navigation. Additional USB devices like external storage can also be connected.
6. **Power On:** Connect the power adapter to the "DC 12V" input on the DVR and then plug it into a power outlet. The DVR will power on automatically.

Hybrid 5-IN-1 DVR

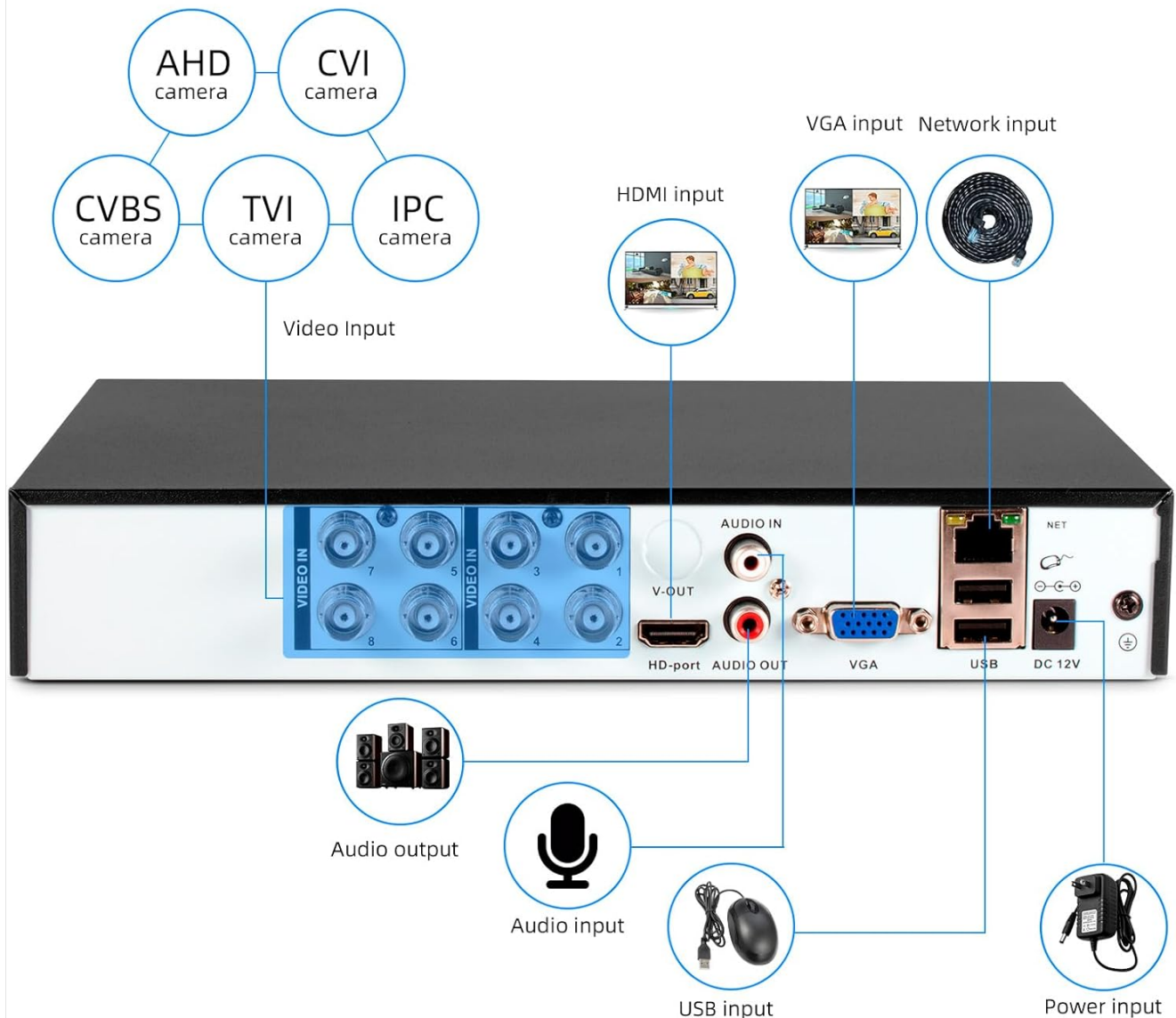
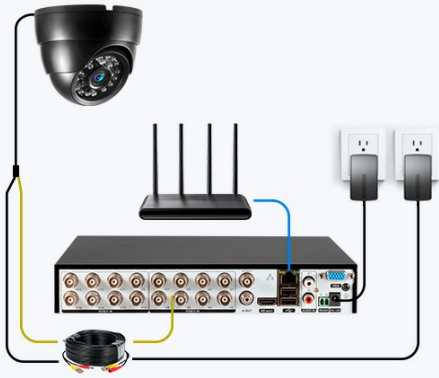


Figure 3.1: Detailed connection diagram for the Hybrid 5-in-1 DVR, illustrating various input and output ports.

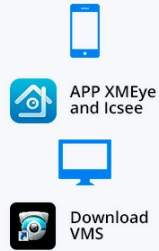
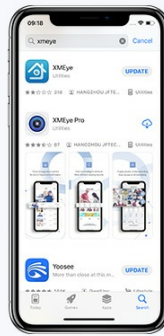
3.2 Initial Configuration

Upon first boot, the system may guide you through an initial setup wizard to configure basic settings like language, date/time, network settings, and hard drive initialization. Follow the on-screen prompts.

1. Connect CCTV system & Connect to network



2. Download free APP



3. Enjoy life view

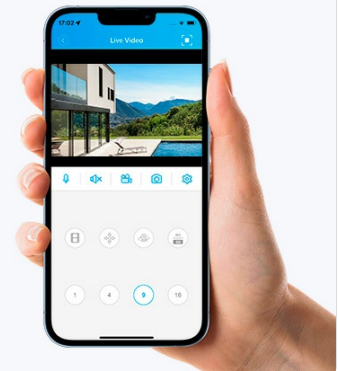


Figure 3.2: Simplified three-step setup process: connect the system, download the mobile application, and begin live viewing.

4. OPERATING INSTRUCTIONS

4.1 Live View and Recording

The DVR supports 24/7 continuous recording across all 8 channels. You can view live feeds from all connected cameras simultaneously on your display.



Non-stop Recording

Record every second for maximum security
Supports 8 channel live screen



Figure 4.1: The DVR system provides 24/7 non-stop recording and supports an 8-channel live screen display.

Round-the-Clock Video & Audio Recording

5MP lite DVR can work with AHD, CVI, CVBS, TVI, IPC cameras and support video input up to 5MP, provide clearer viewing.




Figure 4.2: Round-the-clock video and audio recording capabilities of the 5MP lite DVR, supporting up to 8 cameras.

4.2 H.265+ Video Compression

The DVR utilizes advanced H.265+ video compression technology. This significantly improves the compression ratio compared to H.264, leading to longer recording times and up to 80% storage savings while maintaining high image quality and smooth viewing.

Advanced H.265+ Video Compression

 Smooth viewing

 Reduced memory space



H.265+

H.264

Fluency



Fluency



Storage Space



Storage Space



Figure 4.3: Comparison illustrating the benefits of H.265+ video compression over H.264 in terms of fluency and storage space.

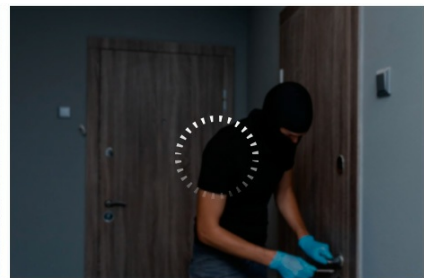
Advanced Storage Saving

Technology H.265+ video compression can save up to 80% storage and record longer time compared to H.264.

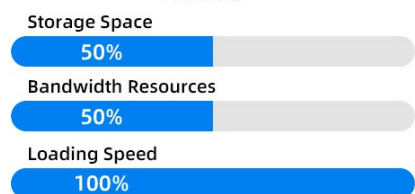
 Smoother Viewing

 Faster Downloads

 Reduced Storage



H.265+



H.264

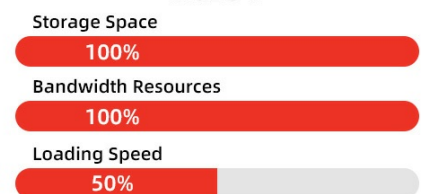


Figure 4.4: Advanced storage saving benefits of H.265+ technology, including smoother viewing, faster downloads, and reduced storage requirements.

4.3 Intelligent Alarm System (Motion Detection)

The DVR features a mobile detection function that automatically triggers an alarm and sends notifications via email or mobile app (App Push) upon detecting abnormal activity. This ensures you are immediately informed of any security events.



Figure 4.5: AI Motion Face Detection system providing app push and email notifications with 99% accuracy.

4.4 Smart Playback

The advanced smart playback feature allows you to quickly search and review recorded footage. This function helps in locating specific events, such as human or vehicle movements, saving significant time during video review.

Advanced Smart Playback

Never miss any wonderful moment!



Figure 4.6: Advanced Smart Playback interface, designed to help users quickly find and review important moments.

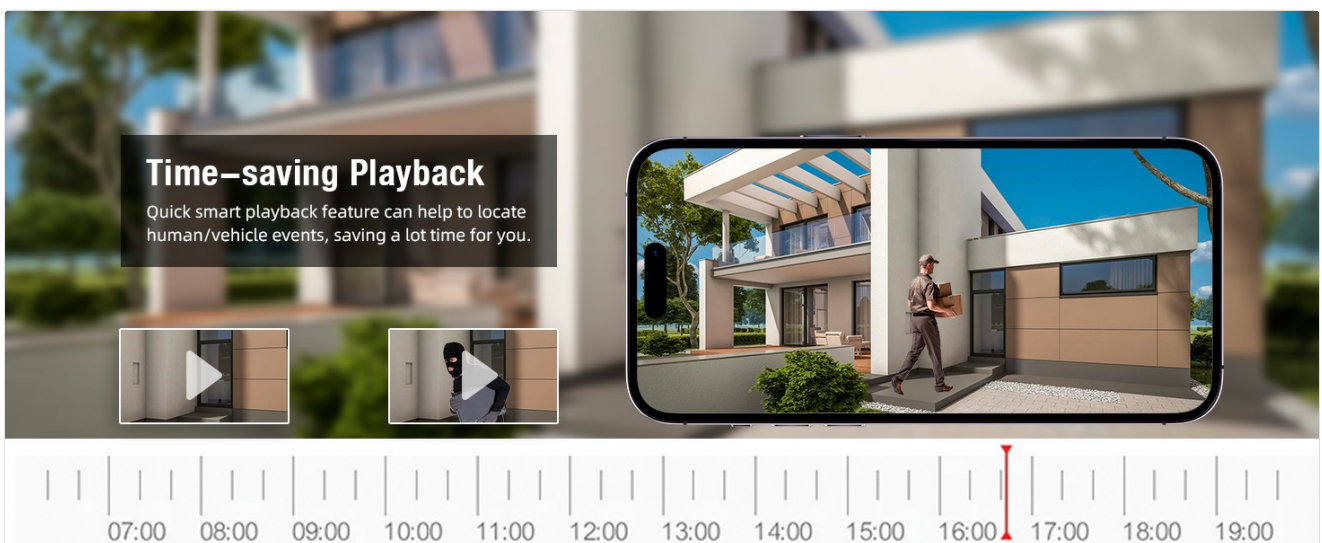


Figure 4.7: Time-saving playback feature that helps locate human/vehicle events efficiently.

4.5 Remote Access

Monitor your property anytime, anywhere using the remote access function. You can view real-time surveillance footage and playback videos through compatible mobile phones (iOS/Android) and computers (PC/Notebook) with network connectivity. Download the XMeye or Isee app for mobile access, or VMS software for PC.

Free & Easy remote access

Monitor Your Property Anytime, Anywhere

Download on the **App Store**

GET IT ON **Google Play**

APP: XMeye and Isee

PC: Download VMS

Figure 4.8: Free and easy remote access allows monitoring property from anywhere via mobile apps (XMeye, Isee) and PC software (VMS).

✓ PC ✓ Notebook ✓ Phone

Complete Control from the App

Use the security app to check in on what's happening at home from anywhere at any time.

App Push

Email

Figure 4.9: Complete control from the app, enabling users to check on their property from anywhere at any time via PC, notebook, or phone.

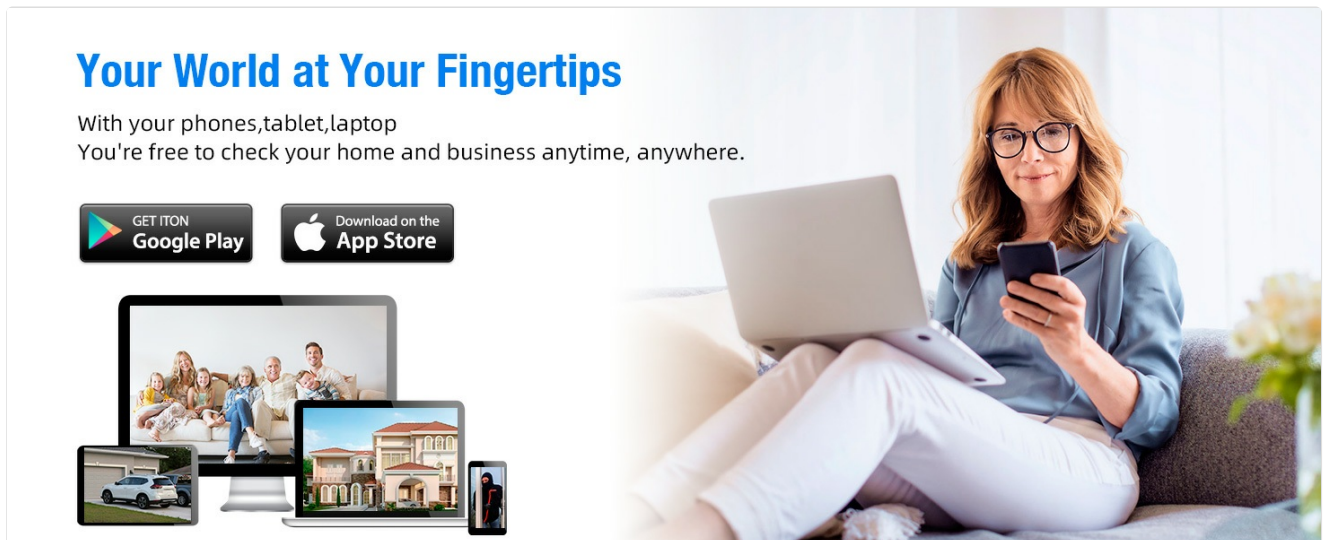


Figure 4.10: "Your World at Your Fingertips" - access and monitor your home or business anytime, anywhere using phones, tablets, and laptops.

5. MAINTENANCE

- **Regular Cleaning:** Gently clean the DVR unit with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Ventilation:** Ensure the DVR is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Hard Drive Health:** The pre-installed 2TB hard drive is designed for continuous recording. Periodically check the hard drive status through the DVR's system settings to ensure optimal performance. The DVR supports up to 14TB external HDD for expanded storage.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates to ensure your system has the latest features and security enhancements.
- **Data Backup:** For critical footage, regularly back up data to an external storage device or cloud service if supported.

Expandable Capacity

Worry-Free Backup



Figure 5.1: The DVR comes with a pre-installed 2TB HDD and offers expandable capacity up to 14TB with an external HDD for worry-free backup.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output on monitor.	Loose cable connection, incorrect input source on monitor, DVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor is set to correct input. Verify DVR power indicator is on.
Cameras not displaying.	Camera not powered, cable issue, incompatible camera type.	Ensure cameras are powered. Check BNC cable connections. Verify camera compatibility (AHD/TVI/CVI/CVBS/IP).
No remote access.	Network cable disconnected, incorrect network settings, firewall issues, app not configured.	Check Ethernet cable. Verify network settings on DVR. Ensure router allows necessary ports. Reconfigure mobile app/PC software.
Recording not working.	Hard drive full, hard drive not initialized, recording schedule not set.	Check hard drive status and remaining space. Initialize or format HDD if new. Configure recording schedule in DVR settings.

7. SPECIFICATIONS

Feature	Detail
Brand	KERUI
Model	8CH-2TB
Connectivity Technology	Wired
Video Capture Resolution	Up to 5MP (5MN@20fps, 4MN@15fps, 1080P@15fps)
Special Features	H.265+ Video Compression, Remote Access, Intelligent Alarm System, Smart Playback
Number of Channels	8
Memory Storage Capacity	2 TB (Pre-installed), Expandable up to 14 TB External HDD
Compatible Devices	AHD Cameras, TVI Cameras, CVI Cameras, CVBS Cameras, IP Cameras (5-in-1 access mode)
Signal Format	Digital, Analog
Video Input	BNC, RJ45, CVBS
Dimensions (Approx.)	10 x 8.54 x 1.57 inches (25.4 x 21.7 x 4 cm)
Item Weight	2.49 pounds

24/7 Surveillance Day and Night Recording



Figure 7.1: Dimensions of the KERUI 8-Channel DVR unit.

8. WARRANTY AND SUPPORT

This KERUI product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official KERUI website.

For technical support, troubleshooting assistance, or any inquiries regarding your DVR system, please contact KERUI customer service. Contact information can typically be found on the product packaging or the official KERUI website.

Online Resources:

- Official KERUI Store on Amazon: Visit [KERUI Store](#)
- Mobile App (XMeye/Icsee) available on: [Apple App Store](#) and [Google Play Store](#)