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› Evertech HD H.265 16 Channel Hybrid DVR Security Camera Recorder User Manual

Evertech HD H 265

Evertech HD H.265 16 Channel Hybrid DVR Security Camera Recorder User Manual

Model: HD H 265

1. PRODUCT OVERVIEW

The Evertech HD H.265 16 Channel Hybrid DVR is a professional-grade digital video recorder designed for comprehensive security surveillance. It supports up to sixteen cameras and utilizes H.265 video compression technology for efficient storage and high-quality video. This DVR is compatible with various camera types, including AHD, TVI, CVI, and traditional analog cameras, making it a versatile solution for both home and office environments. An 8TB hard drive is pre-installed for immediate recording capabilities.



Figure 1.1: Evertech 16 Channel Hybrid DVR with included 8TB hard drive and a smartphone displaying the remote viewing application.

2. KEY FEATURES

- **16-Channel HD Digital Video Recorder:** Supports up to sixteen cameras for extensive surveillance coverage.
- **H.265 Video Compression:** Advanced compression technology for efficient storage and high-quality video recording.
- **Hybrid Compatibility:** Compatible with 1080P, 960P, 720P TVI, AHD, CVI, and traditional analog cameras.
- **Pre-installed 8TB Hard Drive:** Provides ample storage for continuous recording.
- **Multi-device Remote Viewing:** Access live and recorded video via smartphone (iOS/Android), tablet, PC (web browser or CMS Client Software).

- **Multiple Recording Modes:** Supports Continuous, Manual, Motion, and Schedule recording modes.
- **Motion Detection & Email Alerts:** Customizable settings to receive email notifications upon motion detection.
- **USB Backup:** Easily transfer video files to external storage via USB port.
- **Multichannel Playback:** Review footage from multiple cameras simultaneously.

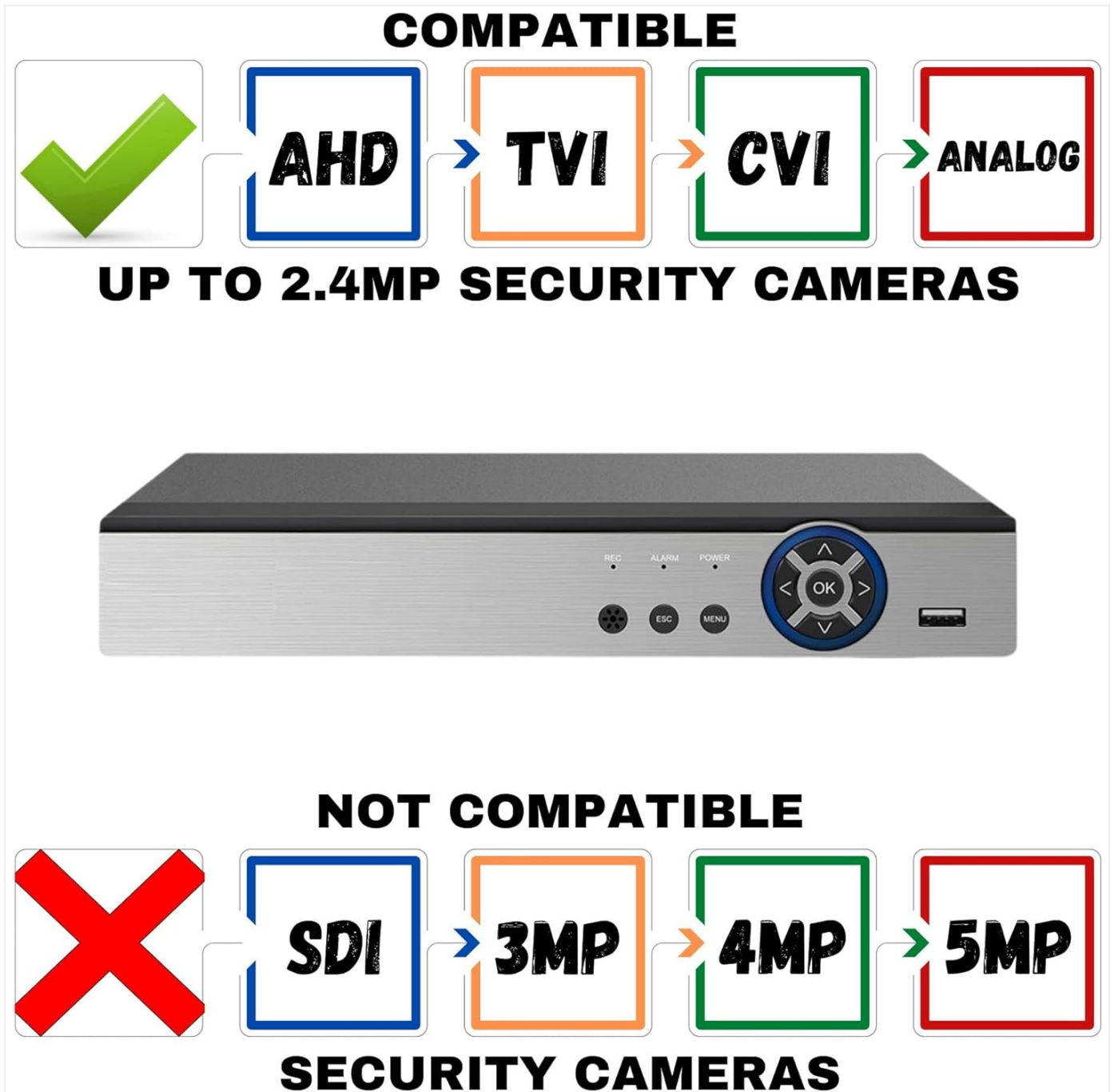


Figure 2.1: Compatibility chart for the Evertech Hybrid DVR, indicating support for AHD, TVI, CVI, and Analog cameras up to 2.4MP, and non-compatibility with SDI, 3MP, 4MP, and 5MP cameras.

3. SETUP GUIDE

3.1 Package Contents

Before beginning installation, ensure all components are present:

- Evertech 16 Channel Hybrid DVR Unit
- Pre-installed 8TB Hard Drive

- Power Adapter
- USB Mouse
- User Manual (this document)

3.2 Hard Drive Installation (Pre-installed)

The 8TB hard drive is pre-installed in your DVR unit. No additional installation steps are required for the hard drive. If you need to replace or upgrade the hard drive in the future, refer to the detailed instructions provided in the full technical manual or contact customer support.

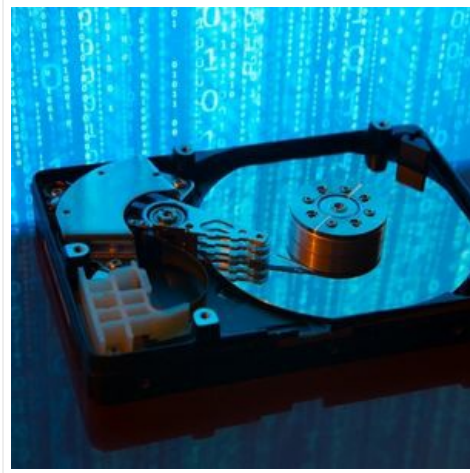


Figure 3.1: Internal components of a hard disk drive, similar to the pre-installed 8TB drive.

3.3 Connecting Your DVR

Follow these steps to connect your DVR system:

1. **Connect Cameras:** Connect your AHD, TVI, CVI, or Analog cameras to the 'VIDEO IN' BNC ports (V1-V16) on the rear panel of the DVR.
2. **Connect Monitor:** Connect a monitor to the DVR using either the HDMI or VGA port.
3. **Connect Audio (Optional):** If using audio-enabled cameras or external microphones, connect them to the 'AUDIO IN' ports. Connect speakers to the 'A-OUT' port for audio output.
4. **Connect Network (Optional):** For remote viewing and network access, connect an Ethernet cable from the DVR's LAN port to your router.
5. **Connect USB Devices:** Plug the included USB mouse into one of the USB ports. You can also connect a USB flash drive for backup purposes.
6. **Connect Power:** Connect the provided 12V DC power adapter to the 'POWER IN' port on the DVR, then plug the adapter into a power outlet.

16 Channel H.265 HD Digital Video Recorder

AHD / TVI / CVI / ANALOG

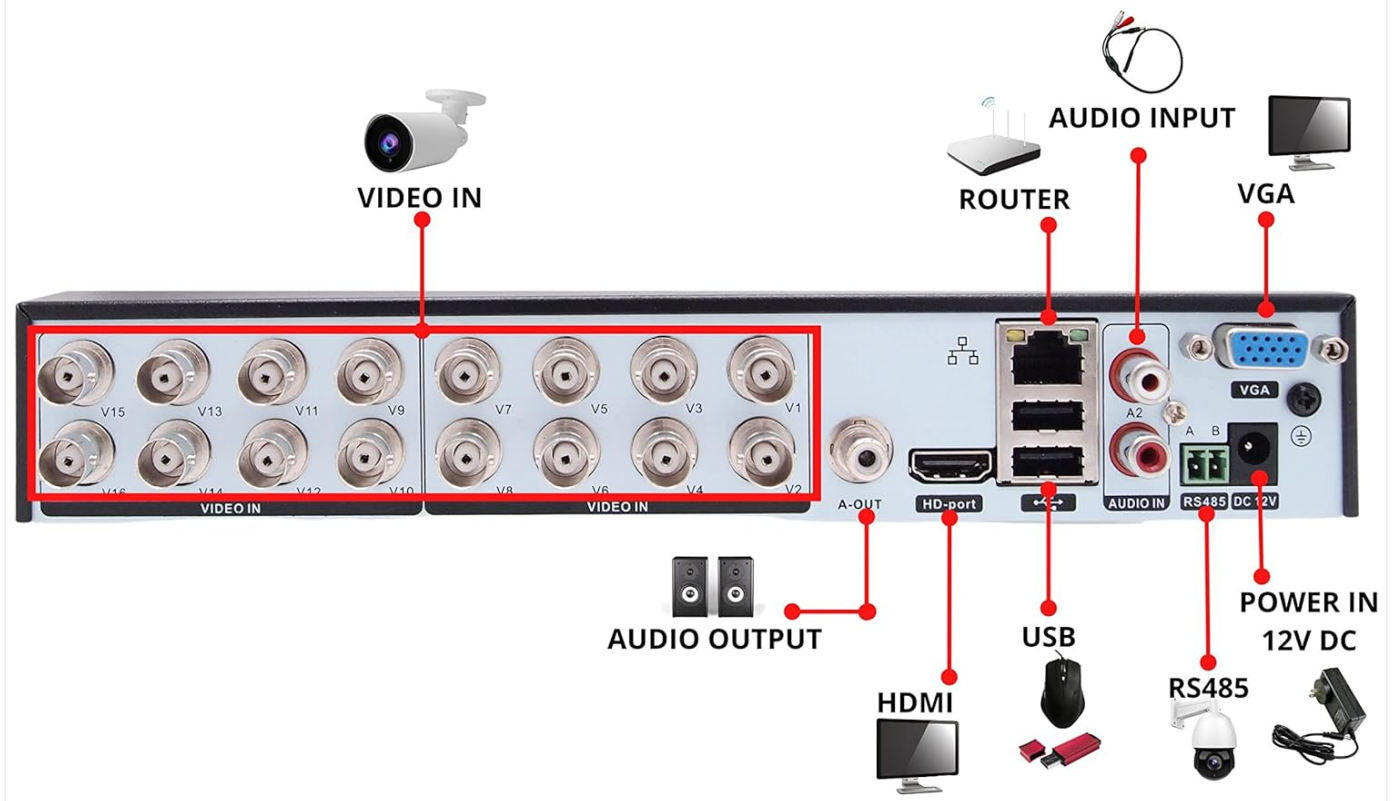


Figure 3.2: Detailed diagram of the DVR's rear panel, illustrating all connection ports including video inputs, audio in/out, HDMI, VGA, USB, LAN, and power input.

4. OPERATING INSTRUCTIONS

4.1 Initial Setup and Configuration

Upon first power-up, the DVR will guide you through an initial setup wizard. Follow the on-screen prompts to set the date/time, network settings, and create an administrator password. It is crucial to set a strong password for security.

4.2 Live View and Playback

Once configured, you can view live camera feeds on the connected monitor. Use the USB mouse to navigate the on-screen menu. To access recorded footage, select the 'Playback' option from the main menu. You can search by date, time, and event type (e.g., motion detection).

Live view and Playback from your PC / Tablet / Mobile Phone



VMS for PC



XMEye App

Download on the
App Store

ANDROID APP ON
Google Play



Figure 4.1: Examples of live view and playback interfaces on a desktop computer (VMS for PC) and a mobile phone (XMEye App).

4.3 Recording Modes

The DVR supports the following recording modes, configurable via the system settings:

- **Continuous Recording:** Records 24/7 without interruption.
- **Manual Recording:** Start and stop recording manually.
- **Motion Detection Recording:** Records only when motion is detected in the camera's view.
- **Schedule Recording:** Set specific times for recording to occur.

4.4 Remote Access

To view your security system remotely:

1. **Mobile App:** Download the free XMEye application from the App Store (iOS) or Google Play Store (Android). Follow the in-app instructions to add your DVR using its unique ID or QR code.
2. **PC Software (CMS Client):** Install the CMS Client Software on your PC. This software provides advanced management and viewing capabilities.

3. **Web Browser:** Access your DVR via a web browser by entering its IP address. Ensure your network is configured for remote access (e.g., port forwarding).

4.5 Motion Detection and Email Alerts

Configure motion detection zones and sensitivity for each camera in the DVR settings. Enable email alerts to receive notifications when motion is detected. Ensure your network settings and email server details are correctly entered for this feature to function.

4.6 USB Backup

To back up recorded video files:

1. Insert a USB flash drive into an available USB port on the DVR.
2. Navigate to the 'Backup' or 'Export' section in the DVR menu.
3. Select the desired video files by date, time, and camera.
4. Initiate the backup process. The files will be saved to your USB drive.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DVR system:

- **Dust Removal:** Periodically clean the DVR unit to prevent dust buildup, which can cause overheating. Use compressed air to clear vents.
- **Firmware Updates:** Check the Evertech website for firmware updates. Keeping your DVR's firmware up-to-date can improve performance and security.
- **Hard Drive Health:** Monitor the health of the hard drive through the DVR's system information. Replace the hard drive if errors or failures are indicated.
- **Cable Connections:** Periodically check all cable connections (power, video, network) to ensure they are secure and free from damage.
- **Password Security:** Change your DVR's password regularly to maintain system security.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output on monitor	Loose cable connection; Incorrect input selected on monitor; DVR not powered on.	Check HDMI/VGA cable connections. Ensure monitor is on correct input. Verify DVR power adapter is connected and unit is on.
No camera image	Camera not powered; Loose BNC connection; Incompatible camera type.	Ensure camera has power. Check BNC cable connection. Verify camera is AHD/TVI/CVI/Analog and not higher than 2.4MP.
Cannot access DVR remotely	Network issue; Incorrect app/software settings; Firewall/router blocking ports.	Verify DVR is connected to network. Check app/software settings (Device ID, password). Configure router for port forwarding if necessary. Disable firewall temporarily for testing.

Problem	Possible Cause	Solution
No recording	Hard drive full or faulty; Recording schedule not set; Motion detection not configured.	Check hard drive status in settings. Format or replace if faulty. Configure recording schedule or motion detection settings.
DVR beeping continuously	Hard drive error; Video loss; Network disconnection.	Check system logs for specific error. Verify hard drive connection and health. Check camera connections and network status.

7. SPECIFICATIONS

Feature	Specification
Model Number	HD H 265
Channels	16
Video Compression	H.265
Video Input Compatibility	AHD, TVI, CVI, Analog (up to 2.4MP)
Hard Disk Size	8 TB (pre-installed)
Connectivity Technology	USB, Ethernet
Video Output	HDMI, VGA
Remote Access	iOS/Android App (XMEye), PC CMS Client, Web Browser
Recording Modes	Continuous, Manual, Motion, Schedule
Dimensions (Approx.)	10" (Length) x 9.17" (Width) x 1.65" (Height)

Dimensions



Figure 7.1: Approximate dimensions of the Evertech DVR unit.

8. WARRANTY AND SUPPORT

This Evertech DVR comes with a **One Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For any questions, technical assistance, or warranty claims, please contact Evertech customer support. Free technical support is available to assist you with setup, configuration, and troubleshooting.

Contact Information: Please refer to the contact details provided on the Evertech official website or your purchase documentation for the most current support information.

