SANSCO 8CH-Recorder

SANSCO 8 Channel 5MP Lite HD DVR Instruction Manual

Model: 8CH-Recorder

1. INTRODUCTION

Thank you for choosing the SANSCO 8 Channel 5MP Lite HD DVR. This Digital Video Recorder is designed to provide a reliable and versatile solution for your CCTV camera system, supporting a wide range of camera types including AHD, CVI, TVI, IP, and CVBS. It offers 5MP Lite HD recording capabilities, advanced motion detection, and remote viewing options to keep your property secure.

This manual provides essential information for the proper installation, operation, and maintenance of your DVR. Please read it thoroughly before use and retain it for future reference.

Figure 1: SANSCO 8 Channel 5MP Lite HD DVR system overview, highlighting key features like 5MP HD Lite, Motion Detection, H.265+, Remote View, and support up to 16TB (HDD not included).

2. PRODUCT FEATURES

- **8-Channel 5MP Lite HD Recording:** Supports recording at 1080N (1080x960 pixels) HD resolution on all 8 channels, providing clear and detailed video footage.

- **5-in-1 Universal Compatibility:** Compatible with various camera technologies including AHD, CVI, TVI, IP, and traditional CVBS cameras, offering flexibility for your security system.

H.265+ Video Compression

Higher Defination Image, Lower Bit Rate

Motion Detection Alarm

Triggered → **Recording** → **Send Email** → **Push Message**
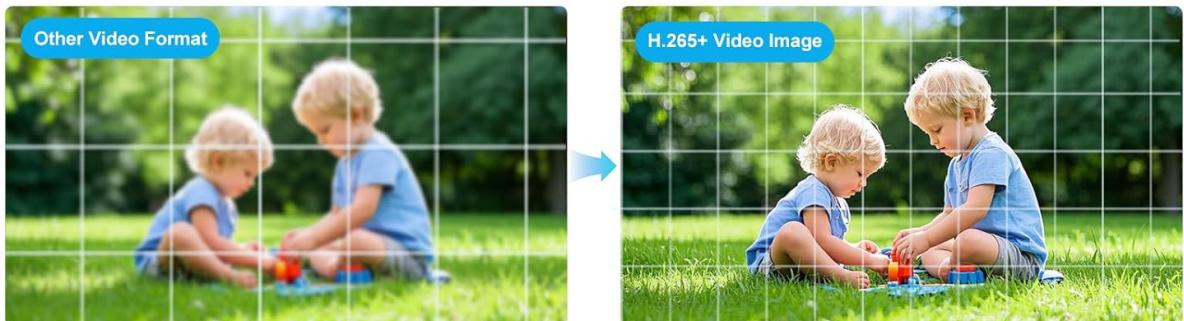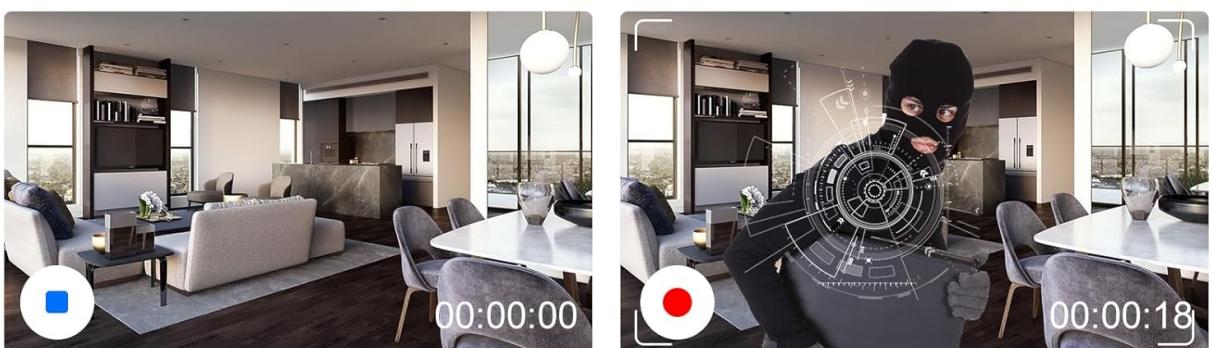
Figure 2: The DVR supports five different camera technologies: IP, AHD, TVI, CVI, and CVBS, making it a versatile solution for various security camera setups.

- **H.265+ Video Compression:** Maximizes hard drive recording time and optimizes bandwidth for remote viewing by efficiently compressing video files while maintaining image quality.
- **Advanced Motion Detection:** Features include human and vehicle detection, line crossing detection, and intrusion detection to accurately identify and alert you to suspicious activity.

Human & Vehicle Detection
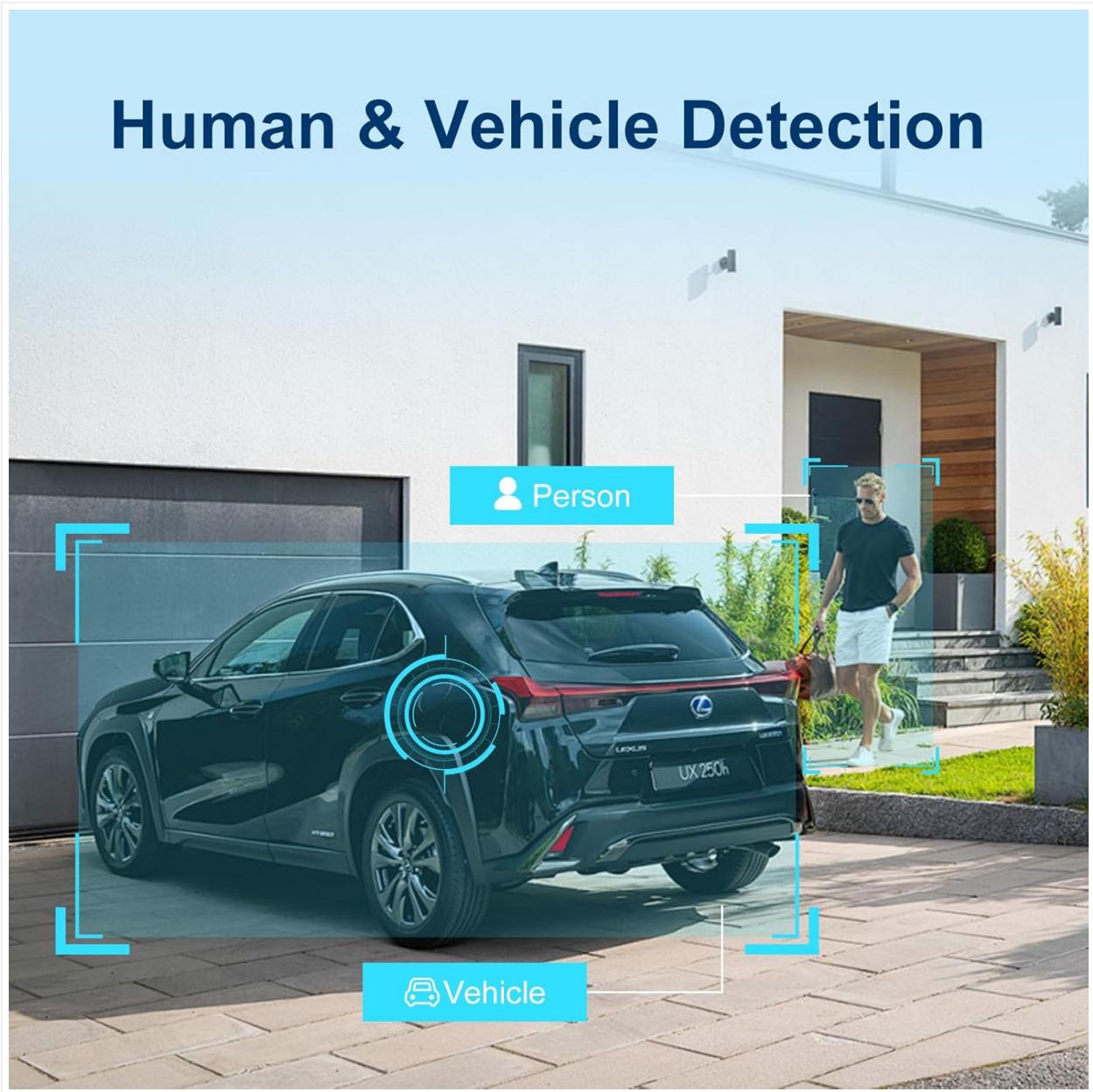
Figure 3: The DVR's intelligent detection system can distinguish between human and vehicle movement, reducing false alarms.

Figure 4: Advanced motion detection features allow for precise monitoring, including setting virtual lines and zones for alerts.

- **Remote Viewing:** Access your camera feeds from anywhere using iOS, Android devices, or Internet Explorer on your PC via a dedicated mobile application.

- **Email/App Notifications:** Receive instant alerts on your smartphone or via email when motion is detected, keeping you informed in real-time.

Figure 5: The DVR utilizes H.265+ compression for efficient storage and bandwidth, and provides a clear alarm process from trigger to notification.

- **No Hard Drive Included:** Please note that a hard drive is required for recording and is not included with the DVR.

NO Hard Drive

Figure 6: The SANSCO DVR requires a separate hard drive for recording video footage.

3. SETUP

3.1 Connecting Your DVR System

Follow these steps to connect your SANSCO DVR. Refer to the connection diagram below for visual guidance.

1. **Step 1: Connect Cameras (Sold Separately):** Connect your compatible CCTV cameras to the 'VIDEO IN' ports (V1-V8) on the back of the DVR using BNC cables.

2. **Step 2: Connect TV/Monitor:** Connect a TV or monitor to the DVR using either an HDMI cable (to 'HD-OUT') or a VGA cable (to 'VGA'). Ensure your display supports a resolution of at least 1920x1080 pixels for optimal viewing.

3. **Step 3: Connect to Router (Optional for Remote Viewing):** If you intend to view your cameras remotely via the internet, connect the DVR's Ethernet port to your network router using an Ethernet cable. This step can be skipped if remote viewing is not required.

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

5. **Step 5: Connect Power:** Connect the DC12V power adapter to the DVR and then plug it into a power outlet. The DVR will power on automatically.
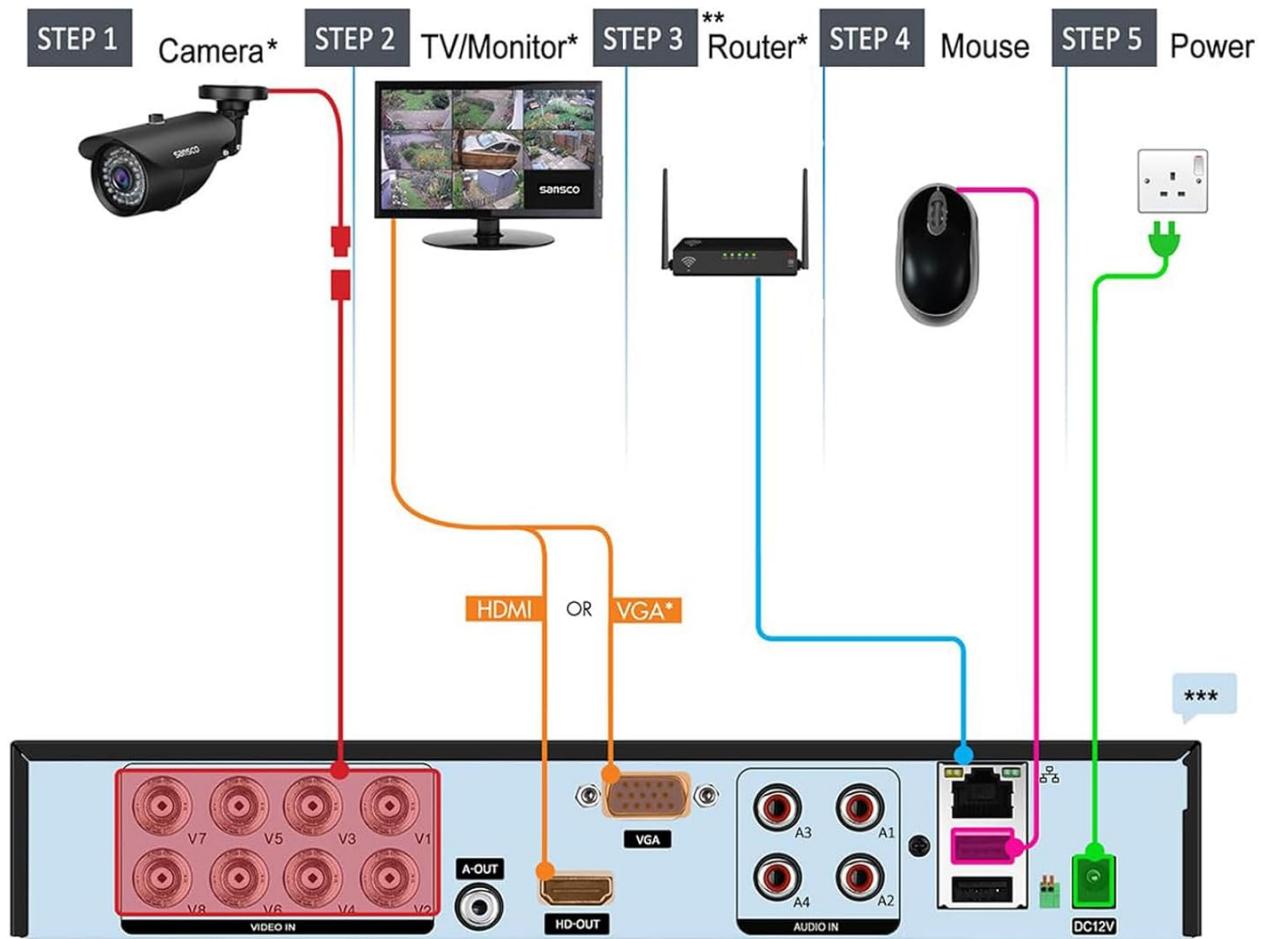
Figure 7: Connection diagram for the SANSCO DVR, illustrating the necessary steps to set up your security system.

3.2 Hard Drive Installation (for Recording)

For recording video footage, an internal SATA hard drive (3.5 inch, up to 14TB) must be installed. The hard drive is not included with the DVR. Refer to the DVR's internal structure for hard drive mounting points and SATA connectors. Ensure the DVR is powered off before installing or removing a hard drive.

4. OPERATING

4.1 Initial Setup Wizard

Upon first power-on, the DVR will guide you through an initial setup wizard. This wizard will help you configure basic settings such as language, date/time, network settings, and password. Follow the on-screen prompts.

4.2 Remote Viewing via Mobile App

To view your cameras remotely:

1. Download the recommended mobile application (e.g., XMEye, as mentioned by users) from the Google Play Store or Apple App Store.

2. Register an account if required.

3. Add your DVR device by scanning the QR code displayed in the DVR's network settings or by manually entering the device ID.

4. Once added, your cameras will appear, allowing you to monitor live feeds and review recorded footage.

4.3 Recording Options

The DVR offers flexible recording modes:

- **Continuous Recording:** Records 24/7, overwriting the oldest footage when the hard drive is full.
- **Scheduled Recording:** Set specific times for recording to occur.
- **Motion Detection Recording:** Records only when motion is detected, conserving hard drive space. This mode includes a pre-recording function to capture events leading up to the motion trigger.

4.4 Motion Detection and Alerts

Configure motion detection settings for each camera:

- Define detection zones and sensitivity levels to minimize false alarms.
- Enable email alerts and push notifications to your mobile device for immediate awareness of detected events.
- The DVR also features a configurable buzzer alarm for local alerts.

4.5 Playback and Backup

Access recorded footage through the DVR's interface or the mobile app. Use the click-and-drag digital zoom feature during live view and playback for detailed examination. You can back up video footage to a USB drive from selected cameras.

5. TROUBLESHOOTING

- **No Video Output on Monitor:** Ensure your TV/monitor supports a resolution of at least 1920x1080 pixels. Older, lower-resolution displays may not be compatible. Check HDMI/VGA cable connections.
- **Cameras Not Displaying:** Verify that your cameras are compatible with the DVR (AHD, CVI, TVI, IP, CVBS). Ensure cameras are powered and properly connected to the DVR's video input ports.
- **No Recording:** Confirm that a compatible internal SATA hard drive is installed and properly formatted within the DVR. Check recording schedules and motion detection settings.
- **Remote Viewing Issues:** Ensure the DVR is connected to your router via Ethernet. Check network settings on the DVR and your mobile device. Verify the mobile app is correctly configured with your DVR's device ID.
- **False Motion Alerts:** Adjust the motion detection sensitivity levels and detection zones for each camera to reduce triggers from environmental factors like moving foliage or small animals.

6. SPECIFICATIONS

Model Number	8CH-Recorder
Channels	8
Video Input	AHD, CVI, HDTVI, CVBS, IP (5-in-1)
Video Output	HDMI, VGA (up to 1080p)

Audio Input/Output	1 Channel Audio Input, 1 Channel Audio Output
Compression Format	H.265+
Hard Drive Support	1 x Internal SATA (3.5 inch) up to 14TB (HDD not included)
USB Ports	2
Connectivity	Ethernet
Compatible Devices	Cameras, Smartphones, Tablets
Product Dimensions	27 x 21 x 7 cm
Weight	1.18 kg

7. WARRANTY AND SUPPORT

For specific warranty information regarding your SANSCO DVR, please refer to the documentation provided at the time of purchase or contact your retailer. SANSCO offers technical support to assist with setup and troubleshooting. For assistance, please contact SANSCO customer service via their official website or the contact information provided with your product. Many common issues can also be resolved by consulting online resources or community forums.