

DAHUA DH-XVR1A04

Dahua 4CH 1080P CCTV Surveillance System DH-XVR1A04 DVR User Manual

Model: DH-XVR1A04

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Dahua 4-channel 1080P CCTV Surveillance System, featuring the DH-XVR1A04 DVR and four 2MP outdoor cameras. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance. Keep this manual for future reference.

2. SAFETY INFORMATION

To prevent injury to yourself or others, or damage to your device, read all safety information before using the device.

- **Electrical Safety:** Ensure all power connections are secure and meet the specified voltage requirements. Do not overload power outlets. Disconnect power before performing any maintenance.
- **Environmental Conditions:** Operate the device within the specified temperature and humidity ranges. Avoid direct exposure to water, excessive dust, or extreme temperatures.
- **Handling:** Handle the DVR and cameras with care. Avoid dropping or subjecting them to strong impacts. Do not attempt to disassemble or modify the device, as this will void the warranty.
- **Ventilation:** Ensure adequate ventilation for the DVR to prevent overheating. Do not block ventilation openings.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer.

- 1x Dahua 4-Channel DVR (DH-XVR1A04)
- 4x Outdoor 2MP Cameras
- Power Adapter for DVR
- Mouse for DVR operation

Note: This package does **not** include a hard disk drive (HDD) for recording or any additional accessories like coaxial cables or power supplies for cameras. These must be purchased separately.



Figure 3.1: Dahua DH-XVR1A04 DVR and four 2MP outdoor cameras.

4. SETUP

4.1. Installing the Hard Disk Drive (HDD)

The DVR requires a 3.5-inch SATA HDD (up to 6TB) for video recording. The HDD is not included and must be installed before use.

1. Unscrew and remove the top cover of the DVR.
2. Connect the SATA data cable and power cable from the DVR to the HDD.
3. Secure the HDD to the DVR chassis using the provided screws.
4. Replace the top cover and secure it with screws.

4.2. Connecting the DVR

1. **Monitor Connection:** Connect a monitor to the DVR's HDMI or VGA port.
2. **Mouse Connection:** Connect the USB mouse to a USB port on the DVR.
3. **Network Connection:** Connect an Ethernet cable from the DVR's LAN port to your router or network switch for remote access.
4. **Power Connection:** Connect the DVR's power adapter to the DVR and then to a power outlet.

4.3. Connecting Cameras

Connect each 2MP outdoor camera to the corresponding BNC input ports on the rear of the DVR using coaxial cables. Ensure each camera also has its own power supply connected (not included).

4.4. Initial Configuration

Upon first power-up, the DVR will guide you through an initial setup wizard. Follow the on-screen prompts to set up basic parameters such as language, date/time, network settings, and password. If an HDD is installed, the system will prompt you to format it.

5. OPERATING THE SYSTEM

5.1. Live View

After initial setup, the DVR will display the live view from all connected cameras on the monitor. You can switch between single-camera view and multi-camera grid view using the on-screen controls or mouse.

5.2. Recording

The DVR supports various recording modes:

- **Manual Recording:** Start/stop recording manually.
- **Scheduled Recording:** Set specific times for continuous recording.
- **Motion Detection Recording:** Recording starts automatically when motion is detected in the camera's view.

Access recording settings through the DVR's main menu.

5.3. Playback

To review recorded footage:

1. From the main menu, select 'Playback'.
2. Choose the desired date and time.
3. Select the camera channel(s) you wish to view.
4. Use the playback controls (play, pause, fast forward, rewind) to navigate through the footage.

5.4. Remote Access (Mobile/PC Apps)

Access your surveillance system remotely using Dahua's dedicated applications:

- **For iOS devices:** Download **iDMSS** from the App Store.
- **For Android devices:** Download **gDMSS** from the Google Play Store.
- **For Windows PC:** Use **SmartPSS** software.

Follow the in-app instructions to add your DVR using its serial number or IP address for remote viewing and control.



Figure 5.1: Dahua mobile and PC applications for remote surveillance.

5.5. Advanced Features

- **HDCVI/AHD/TVI/CVBS/IP Auto-detect:** The DH-XVR1A04 DVR automatically recognizes the signal type of connected front-end cameras without manual configuration, simplifying setup.
- **Long Distance Transmission:** The HDCVI system supports long-distance video transmission over coaxial cable and UTP. It can transmit 1080P video up to 800m and 720P video up to 1200m.

6. MAINTENANCE

6.1. Cleaning

Regularly clean the camera lenses and DVR casing with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the DVR's ventilation openings are free from dust and debris.

6.2. Firmware Updates

Periodically check the Dahua official website for firmware updates. Keeping your DVR's firmware updated ensures optimal performance, security, and access to new features.

6.3. Data Backup

Regularly back up important recorded footage to an external storage device (e.g., USB drive) to prevent data loss.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. If the problem persists, contact technical support.

- **No Video Display:**
 - Check power connections for DVR and cameras.
 - Verify BNC cable connections between cameras and DVR.
 - Ensure monitor is correctly connected and set to the correct input source.
- **No Recording:**
 - Confirm an HDD is installed and formatted.
 - Check recording schedules and motion detection settings.
 - Ensure the HDD is not full.
- **Remote Access Failure:**
 - Verify the DVR is connected to the internet.
 - Check network settings on the DVR and your router.
 - Ensure correct device details (serial number, IP address) are entered in the mobile/PC app.
- **Poor Image Quality:**
 - Clean camera lenses.
 - Check cable connections for damage or interference.
 - Ensure cameras are within their optimal operating range.






8. SPECIFICATIONS

Feature	Specification
Brand Name	DAHUA
Model Number	DH-XVR1A04 (DVR), DH4OUT (Kit Reference)
Number of Channels	4
Video Capture Resolution	1080p
Connectivity Technology	Wired
Compatible Devices	Cameras, Laptops, Personal Computers, Tablets, Smartphones
Memory Storage Capacity (HDD)	Up to 6 TB (HDD not included)
Power Source	Corded Electric
Item Dimensions (DVR)	33 x 23 x 10 cm
Item Weight	1.5 Kilograms
Manufacturer	Zhejiang Dahua Technology Co., Ltd.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact your point of purchase. For technical support, product inquiries, or service, please visit the official Dahua website or contact their authorized service centers in your region.

Related Documents - DH-XVR1A04

	<p>Dahua DH-XVR5104HS-I3 WizSense 4-Channel Penta-brid Digital Video Recorder Datasheet</p> <p>Detailed datasheet for the Dahua DH-XVR5104HS-I3 WizSense 4-channel Penta-brid 5M-N/1080p Compact 1U 1HDD Digital Video Recorder, covering its AI features, technical specifications, connectivity, and physical dimensions.</p>
	<p>Dahua XVR5104HS-I2 User Manual: 4-Channel DVR Specifications & Guide</p> <p>Comprehensive user manual for the Dahua XVR5104HS-I2 4-channel digital video recorder. Covers technical specifications, features, safety guidelines, and setup information for AHD, HD-CVI, HD-TVI, CVBS, and IP surveillance systems.</p>
	<p>DAHUA XVR1A08 8-Channel DVR User Manual and Specifications</p> <p>User manual and technical specifications for the DAHUA XVR1A08 digital recorder, an 8-channel DVR supporting AHD, HD-CVI, HD-TVI, CVBS, and TCP/IP interfaces for surveillance systems.</p>
	<p>Dahua DH-XVR4116HS-X Lite Series 16-Channel Penta-brid DVR</p> <p>Overview of the Dahua DH-XVR4116HS-X Lite Series 16-channel Penta-brid digital video recorder, featuring H.265 compression, high-resolution IP camera support, and long-distance transmission capabilities.</p>
	<p>Dahua DH-HAC-HFW1200RL 2MP IR HDCVI Fixed-focal Bullet Camera - Technical Specifications and Overview</p> <p>Comprehensive overview and technical specifications for the Dahua DH-HAC-HFW1200RL 2MP IR HDCVI Fixed-focal Bullet Camera, detailing its features, performance, and installation.</p>

<div>HDCVI Compact Mobile Camera User's Manual</div> <div>Version 1.0.0</div>	<div>Dahua HDCVI Compact Mobile Camera User's Manual: Installation, Features, and Operation</div> <div>Official user manual for Dahua HDCVI Compact Mobile Cameras. Details installation procedures, device specifications, menu settings, and safety guidelines for vehicle surveillance. Learn about HDCVI technology and camera features.</div>
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