Uniview UN-XVR301-08Q

Uniview UN-XVR301-08Q DVR User Manual

Model: UN-XVR301-08Q

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Uniview UN-XVR301-08Q Digital Video Recorder (DVR). The UN-XVR301-08Q is an 8-channel DVR designed for surveillance applications, supporting 8MP Lite resolution recording. It offers broad compatibility with various camera types, including TVI, AHD, CVI, CVBS, and IP cameras, making it suitable for diverse security setups. This device features one SATA port for storage and supports long-distance video and audio transmission over coaxial cable.

Please read this manual thoroughly before operating the device to ensure proper usage and to prevent damage.

2. PRODUCT OVERVIEW

The UN-XVR301-08Q DVR is a central component of a surveillance system, responsible for recording, storing, and managing video footage from connected cameras. Its compact design and versatile compatibility make it an efficient solution for both residential and small commercial security needs.

Figure 1: Front view of the UN-XVR301-08Q DVR. This image shows the front panel of the DVR, featuring the 'UNV' logo and indicator lights for RUN, NET, and HD status.

Key Features:

- **8MP Lite Resolution Recording:** Captures clear video footage.
- **Multi-Format Support:** Compatible with TVI, AHD, CVI, CVBS, and IP cameras.
- **8 Channels:** Supports up to 8 camera inputs.

- **Video Outputs:** 1 HDMI and 1 VGA output, supporting up to 1920x1080 resolution.
- **Efficient Compression:** Supports H.265 and H.264 video formats for optimized storage.
- **Audio Over Coaxial:** Simplifies installation by transmitting audio via coaxial cable.
- **Expandable Storage:** Features 1 SATA port for hard disk drive installation.
- **Long-Distance Transmission:** Reliable signal transmission over coaxial cable.

3. SETUP

3.1 Unpacking and Inspection

Carefully unpack the DVR and check for any signs of damage. Ensure all components are present.

Package Contents:

- UN-XVR301-08Q Video Recorder
- Power Adapter
- USB Mouse
- SATA Cable and Screws (for HDD installation)
- Quick Start Guide (if included)

3.2 Hard Disk Drive (HDD) Installation

The DVR requires a 3.5-inch SATA HDD for video storage (not included). Follow these steps to install:

1. Unscrew and remove the top cover of the DVR chassis.
2. Connect the SATA data cable and power cable to the HDD.
3. Align the HDD with the mounting holes at the bottom of the DVR chassis.
4. Secure the HDD with the provided screws.
5. Replace the top cover and secure it with screws.

3.3 Physical Connections

Before powering on the DVR, make all necessary connections:

- **Cameras:** Connect your TVI, AHD, CVI, CVBS, or IP cameras to the corresponding video input ports on the rear panel. Ensure proper cable termination for coaxial connections.
- **Display:** Connect a monitor to the HDMI or VGA output port.
- **Network:** Connect an Ethernet cable from the DVR's LAN port to your router or network switch.
- **USB Devices:** Connect the included USB mouse to a USB port for navigation. Other USB devices like a USB flash drive for backup can also be connected.
- **Power:** Connect the power adapter to the DVR's power input and then to a power outlet.

3.4 Initial Power-On and Configuration

Once all connections are made, power on the DVR. The system will boot up, and you will typically be guided through an initial setup wizard on the connected monitor. This wizard will help you configure essential settings such as:

- Language selection
- Password creation for the administrator account
- Date and time settings

- Network settings (DHCP or static IP)
- HDD initialization (formatting the installed HDD)
- Camera detection and configuration

4. OPERATING THE DVR

4.1 User Interface Navigation

Use the connected USB mouse to navigate the DVR's graphical user interface (GUI). Right-click to access the main menu, and left-click to select options or confirm actions.

4.2 Live View

After initial setup, the DVR will display the live view of connected cameras. You can switch between single-camera view, multi-camera grid view, and other display modes.

4.3 Recording Configuration

Access the 'Record' settings from the main menu to configure recording parameters:

- **Recording Schedule:** Set up continuous recording, motion-triggered recording, or scheduled recording for each channel.
- **Pre-record/Post-record:** Configure the duration of recording before and after an event.
- **Video Quality:** Adjust resolution, frame rate, and compression settings (H.265/H.264) to balance video quality and storage usage.

4.4 Playback

To review recorded footage:

1. From the main menu, select 'Playback'.
2. Choose the desired camera channel(s) and date/time range.
3. Use the timeline to navigate through recorded events.
4. Playback controls (play, pause, fast forward, rewind) are available.

4.5 Backup

To export recorded footage:

1. Insert a USB flash drive into an available USB port.
2. From the main menu, select 'Backup'.
3. Specify the camera channel, time range, and file format for the backup.
4. Select the USB device as the destination and start the backup process.

4.6 Network Access and Remote Viewing

The DVR can be accessed remotely via a network connection. Ensure the DVR is connected to your network and has appropriate network settings (IP address, gateway, DNS). Refer to the network configuration section in the DVR's settings for details on enabling remote access, port forwarding (if necessary), and setting up mobile applications or client software.

5. MAINTENANCE

5.1 Regular Checks

- **System Status:** Periodically check the DVR's system status for any errors or warnings related to HDD health, network connectivity, or camera status.
- **Storage:** Monitor the HDD usage to ensure sufficient space for recordings. Configure overwriting settings if needed.
- **Video Feed:** Regularly verify that all camera feeds are active and recording correctly.

5.2 Firmware Updates

Check the manufacturer's website (Uniview) for available firmware updates. Firmware updates can provide new features, improve performance, and address security vulnerabilities. Follow the provided instructions carefully when performing a firmware update to avoid damaging the device.

5.3 Cleaning

Keep the DVR clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure ventilation openings are not obstructed to prevent overheating.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the UN-XVR301-08Q DVR.

6.1 No Video Display on Monitor

- **Check Cables:** Ensure the HDMI or VGA cable is securely connected to both the DVR and the monitor.
- **Monitor Input:** Verify the monitor is set to the correct input source (HDMI/VGA).
- **Power:** Confirm the DVR is powered on and the power adapter is functioning.

6.2 No Camera Feed

- **Camera Power:** Ensure the camera is powered on.
- **Cable Connection:** Check the video cable connection between the camera and the DVR.
- **Camera Compatibility:** Verify the camera type (TVI, AHD, CVI, CVBS, IP) is compatible and correctly configured in the DVR settings.
- **IP Camera Settings:** For IP cameras, ensure correct IP address, port, and login credentials.

6.3 No Recording

- **HDD Status:** Check if the HDD is installed, initialized, and healthy in the DVR's settings.
- **Recording Schedule:** Verify that the recording schedule is correctly configured for the desired channels and times.
- **Motion Detection:** If using motion detection, ensure it is enabled and properly configured.
- **Storage Space:** Confirm there is available space on the HDD.

6.4 Network Access Issues

- **Ethernet Cable:** Ensure the Ethernet cable is securely connected to the DVR and the network device.
- **Network Settings:** Verify the DVR's IP address, subnet mask, gateway, and DNS settings are correct.
- **Router/Firewall:** Check your router and firewall settings to ensure they are not blocking the DVR's network
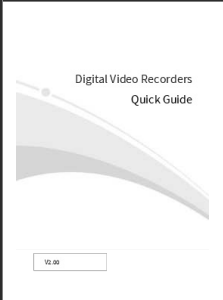
traffic.

7. Specifications

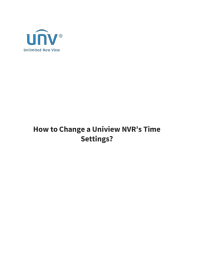Below are the technical specifications for the Uniview UN-XVR301-08Q DVR:

Feature	Specification
Model Number	UN-XVR301-08Q
Manufacturer	Uniview
Number of Channels	8
Recording Resolution	8MP Lite
Video Input Formats	TVI, AHD, CVI, CVBS, IP Cameras
Video Compression	H.265, H.264
Video Outputs	1 HDMI (up to 1920x1080), 1 VGA (up to 1920x1080)
Audio Transmission	Over coaxial cable supported
Storage	1 SATA Port (supports 3.5-inch HDD, not included)
Network Interface	Ethernet Port
USB Interface	Multiple USB ports for mouse and backup

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Uniview website. Keep your proof of purchase for warranty claims. If you encounter issues not covered in this manual, contact Uniview customer support or your authorized dealer for assistance.

Related Documents - UN-XVR301-08Q

Digital Video Recorders
Quick Guide

V2.00

Uniview Digital Video Recorder Quick Guide - Installation and Operation
This quick guide from Uniview provides essential information for setting up and operating their Digital Video Recorders (DVRs), including XVR301-04F and XVR301-08F models. It covers packing contents, interface details, HDD installation, startup and shutdown procedures, IP camera addition, recording and playback functions, web login, and critical safety and network security guidelines.

	[Uniview XVR301-G3 Series Digital Video Recorder: NDAA Compliant Datasheet](#) Comprehensive datasheet for the Uniview XVR301-G3 Series Digital Video Recorder, including models XVR301-04G3, XVR301-08G3, and XVR301-16G3. Details features, specifications, connectivity, and compliance.
	[Uniview Digital Video Recorders Quick Guide - Setup and Operation](#) A comprehensive quick guide for Uniview Digital Video Recorders (DVR/NVR). Learn about initial setup, default credentials, LED indicators, port identification, HDD installation, connecting cameras and devices, recording, playback, web access, mobile app usage, and essential safety and network security measures.
	[Troubleshoot Uniview XVR Video Output Issues: Adjust Camera Resolution](#) Learn how to troubleshoot 'Please Adjust the Video Output' errors on Uniview XVRs by adjusting analog camera resolution and frame rate settings. Includes GUI and Web UI steps.
	[Network Video Recorder (NVR) Quick Guide - Installation and Setup](#) Comprehensive quick guide for Uniview Network Video Recorders (NVRs). Learn about installation, safety precautions, regulatory compliance, port identification, LED status indicators, and initial startup procedures. Includes default login credentials for easy access.
	[How to Change a Uniview NVR's Time Settings](#) A step-by-step guide on how to adjust the time and date settings for Uniview Network Video Recorders (NVRs) using various methods including web interface, direct monitor access, EZTools software, and mobile apps like EZView and UNV-Link.

Documents - Uniview – UN-XVR301-08Q

[pdf] Specifications Datasheet

Network Video Recorder w05814 Specification Sheet Uniview 8 ch 1 SATA Networking NVR UN XVR301 08Q ENS Security spec sheet FINAL 4 16 21 drive google file d 1i1ID3Az7pZ3VTA17tWryrOm Wx2OFl8I view |||

XVR301-Q Series DATASHEET Key Features Support H.265/H.264 video formats Support audio over coaxial cable Support TVI, AHD, CVI, CVBS, IP cameras with adaptive access 4/8-channel BNC input Support 1-ch HDMI output, 1-ch VGA output at up to 1920*1080 Long transmission distance over coaxial cable S...

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