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Hikvision DS-7208HUHI-F2/N

Hikvision DS-7208HUHI-F2/N Digital Video Recorder User Manual

Model: DS-7208HUHI-F2/N

1. Introduction

This manual provides essential instructions for the installation, operation, and maintenance of your Hikvision DS-7208HUHI-F2/N Digital Video Recorder (DVR). Please read this manual thoroughly before using the product to ensure proper and safe operation. This DVR supports various video inputs, including HD-TVI, analog, and IP cameras, offering a comprehensive surveillance solution.

2. Safety Information

- Ensure the power supply voltage is correct before connecting the DVR.
- Do not expose the DVR to water or moisture.
- Avoid placing the DVR in direct sunlight or near heat sources.
- Use only accessories specified by the manufacturer.
- Properly ground the equipment to prevent electric shock.
- Do not open the DVR casing; refer all servicing to qualified personnel.

3. Package Contents

Upon unpacking, verify that all items listed below are present and in good condition. If any items are missing or damaged, contact your supplier immediately.



The image shows the contents of the Hikvision DS-7208HUHI-F2/N DVR package. Visible items include the DVR unit, a power adapter, a USB mouse, a remote control, SATA cables for hard drive connection, and an instruction sheet detailing local activation steps.

- Hikvision DS-7208HUHI-F2/N Digital Video Recorder Unit
- Power Adapter
- USB Mouse
- Remote Control
- SATA Cables (for Hard Drive connection)
- Quick Start Guide / Instruction Sheet

Note: A 3.5-inch SATA hard drive is required for video recording and is not included in the package.

4. Product Overview

The Hikvision DS-7208HUHI-F2/N DVR is an 8-channel device designed for robust video surveillance. It features advanced H.264+ compression for efficient storage and supports various camera types and resolutions.

4.1 Key Features

- Supports up to 3MP analog input and 4MP IP camera input.
- HD-TVI input compatibility: 1080p/25 Hz, 1080p/30 Hz, 720p/25 Hz, 720p/30 Hz, 720P/50 Hz, 720p/60 Hz, 3 MP.
- CVBS input compatibility: 960H and 4CIF/D1 resolutions.
- Supports 2 channels of IP video at up to 4MP resolution (2688 x 1520).
- 4-channel RCA audio input, 1-channel RCA audio output.
- H.264+ video compression for over 50% efficiency improvement compared to H.264.
- HDMI 4K (3840×2160) and VGA (1920×1080) video outputs.
- Smart Search for motion event playback.

- Multiple Video Content Analytics (VCA) events: line crossing, intrusion detection, and motion detection.
- Extended cable distance support: up to 2,625 ft (800 m) at 1080p over RG-6 cable.
- Two SATA interfaces for hard drive installation.

4.2 Rear Panel Layout



This image displays the rear panel of the Hikvision DS-7208HUHI-F2/N Digital Video Recorder, highlighting its various input and output ports. From left to right, ports include BNC video inputs, BNC video output, USB ports, HDMI output, VGA output, audio input/output (RCA), LAN port, RS-485 interface, 12V DC power input, power switch, and alarm input/output terminals.

1. **VIDEO IN (BNC):** Connect analog or HD-TVI cameras.
2. **VIDEO OUT (BNC):** Connect to a monitor for video output.
3. **USB Ports:** Connect USB mouse, USB flash drive for backup, or external storage.
4. **HDMI Output:** Connect to an HDMI-compatible monitor or TV for high-definition video output.
5. **VGA Output:** Connect to a VGA-compatible monitor.
6. **AUDIO IN (RCA):** Connect audio input devices.
7. **AUDIO OUT (RCA):** Connect to an audio output device.
8. **LAN Port (RJ45):** Connect to your network for remote access and IP camera integration.
9. **RS-485:** Serial interface for PTZ camera control.
10. **12V DC Power Input:** Connect the provided power adapter.
11. **POWER Switch:** Turn the DVR on or off.
12. **ALARM IN/OUT:** Connect external alarm devices.

5. Setup

5.1 Hard Drive Installation

The DVR requires a 3.5-inch SATA hard drive for recording. Follow these steps to install it:

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

5.2 Connecting Peripherals

1. **Cameras:** Connect your analog, HD-TVI, or IP cameras to the respective BNC video input ports or configure IP cameras via the network.
2. **Monitor:** Connect a monitor to the HDMI or VGA output port.
3. **Mouse:** Connect the USB mouse to a USB port on the front or rear panel.
4. **Network:** Connect an Ethernet cable from the LAN port to your router or network switch.
5. **Power:** Connect the power adapter to the 12V DC input and then plug it into a power outlet.

5.3 Initial Power-On and Configuration

1. Flip the POWER switch to the ON position.
2. The DVR will boot up, and the initial setup wizard will appear on the connected monitor.
3. **Local Activation:** You will be prompted to set up an unlock pattern and create a strong password for the administrator account. This is crucial for security.
4. Follow the on-screen instructions to configure basic settings such as language, date/time, network settings (DHCP recommended for easy setup), and hard drive initialization.
5. It is recommended to format the newly installed hard drive through the DVR's menu for optimal performance.

6. Operating Instructions

6.1 Live View and Recording

- After initial setup, the DVR will display the live view from connected cameras.
- Recording typically starts automatically once a hard drive is installed and formatted. You can configure recording schedules and motion detection settings in the DVR menu.

6.2 Playback

- Access the playback menu from the main interface.
- Select the desired date, time, and camera channel to review recorded footage.
- Utilize the Smart Search feature to quickly find motion events.

6.3 Remote Access

The Hikvision DS-7208HUHI-F2/N supports remote viewing via a mobile application or client software. Refer to the Hikvision official website for the latest software and detailed instructions on setting up remote access. This typically involves:

1. Downloading the official Hik-Connect app or client software.
2. Registering an account.
3. Adding your DVR device using its serial number or QR code.
4. Ensuring your DVR has internet access and appropriate network settings (e.g., port forwarding if not using P2P cloud service).

7. Maintenance

7.1 Firmware Upgrades

To ensure optimal performance and access to the latest features and security updates, regularly check for and apply firmware upgrades. Firmware updates can typically be downloaded from the official US Hikvision website (www.hikvision.com). Follow the instructions provided with the firmware package carefully.

7.2 Hard Drive Management

- Regularly check the health status of your hard drive through the DVR's system menu.
- Configure overwrite settings to ensure continuous recording when the hard drive is full.
- Back up important footage periodically to an external USB drive or network storage.

7.3 Cleaning

- Use a soft, dry cloth to clean the exterior of the DVR.
- Do not use liquid or aerosol cleaners.
- Ensure ventilation openings are free from dust and obstructions.

8. Troubleshooting

- **No Video Output:** Check power connections, monitor cable connections (HDMI/VGA), and ensure the monitor is set to the correct input source.
- **No Recording:** Verify that a hard drive is installed, formatted, and healthy. Check recording schedules and motion detection settings.

- **Cannot Access Remotely:** Ensure the DVR is connected to the internet. Check network settings, port forwarding (if applicable), and firewall configurations. Verify the remote access app/software is correctly configured and updated.
- **Camera Compatibility:** This DVR supports TVI cameras up to 2MP. Ensure your cameras are compatible with the DVR's input specifications.
- **System Freezing/Unresponsive:** Try restarting the DVR. If the issue persists, check for firmware updates or contact support.

9. Specifications

Model Number	DS-7208HUHI-F2/N
Brand	Hikvision
Number of Channels	8
Connectivity Technology	HDMI, VGA
Compatible Devices	Camera
Video Input	BNC (HD-TVI, Analog), IP
Audio Input	4-ch RCA
Audio Output	1-ch RCA
Total USB Ports	2
Storage	2 SATA interfaces for HDD (HDD not included)
Video Compression	H.264+, H.264
Max Resolution (HDMI)	4K (3840×2160)
Alarm Input/Output	8 inputs, 4 outputs
UPC	647213733808

10. Warranty and Support

10.1 Warranty Information

This Hikvision DS-7208HUHI-F2/N Digital Video Recorder comes with a**90-day limited warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

10.2 Technical Support

For technical assistance, firmware updates, or additional product information, please visit the official Hikvision website at www.hikvision.com. You can find support resources, FAQs, and contact information for customer service there.

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