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Hikvision DS-7208HQHI-K1

Hikvision DS-7208HQHI-K1 H.265+ 8-Channel Turbo HD DVR User Manual

Model: DS-7208HQHI-K1

1. Introduction

This manual provides essential instructions for the proper installation, operation, and maintenance of your Hikvision DS-7208HQHI-K1 H.265+ 8-Channel Turbo HD DVR. Please read this manual thoroughly before using the device to ensure optimal performance and safety. This DVR supports H.265+ video compression, 8 channels of Turbo HD input, and up to 4 IP camera channels (up to 4MP). It is compatible with HD-TVI/AHD (3MP on CH1-CH4), 2MP HD-CVI, and CVBS cameras, and features 1 SATA interface for HDD storage (HDD not included).



Figure 1: Front and back view of the Hikvision DS-7208HQHI-K1 DVR, showing various ports and indicators.

2. Setup

2.1 Physical Connections

Before powering on the DVR, ensure all necessary cables are securely connected.

1. **Video Output:** Connect an HDMI or VGA cable from the DVR to your monitor.
2. **USB Mouse:** Plug the USB mouse into one of the USB ports on the DVR for navigation.
3. **Video Input:** Connect your surveillance cameras to the 'VIDEO IN' BNC ports. Ensure proper cable types (HD-TVI, AHD, HD-

CVI, CVBS) are used for each channel.

4. **Audio Input/Output:** Connect audio devices to the RCA 'AUDIO IN' and 'AUDIO OUT' ports if required.
5. **Network:** Connect an Ethernet cable from the DVR's LAN port to your router or network switch.
6. **Power:** Connect the power adapter to the DVR's DC 12V input and then to a power outlet.

Video 1: This video demonstrates the physical connection process for a DVR, including connecting video output, USB mouse, video input cables, network cable, and power supply. It also shows the initial boot-up sequence and mobile app setup.

2.2 Hard Drive Installation (HDD Not Included)

This DVR requires a SATA hard drive for recording. If not already installed, follow these steps:

1. Power off the DVR and disconnect all cables.
2. Remove the casing screws and slide open the top cover.
3. Mount the HDD into the designated bay using the provided screws.
4. Connect the SATA data and power cables from the DVR motherboard to the HDD.
5. Replace the top cover and secure the screws.
6. Power on the DVR. You may need to format the HDD through the DVR's system settings before recording.

2.3 Connecting WiFi Cameras to PoE NVR

To integrate WiFi cameras with your PoE NVR, ensure both devices are on the same local area network (LAN) initially. This process involves connecting the WiFi camera to your router's WiFi network and then adding it to the NVR.

1. **Connect NVR to Router:** Use an Ethernet cable to connect your PoE NVR to a LAN port on your router.
2. **Initial WiFi Camera Connection:** Temporarily connect your WiFi camera to another LAN port on the same router using an Ethernet cable. Ensure the camera is powered on.
3. **Connect Camera to Router's WiFi (via App):** Launch the Reolink App (or similar compatible app). The app should automatically detect the camera. Initialize the camera by creating a login password and naming it. Then, select your router's WiFi network and enter the password to connect the camera wirelessly.
4. **Disconnect Ethernet from Camera:** Once the WiFi camera is successfully connected to the router's WiFi, you can disconnect the Ethernet cable from the camera.
5. **Add Camera to NVR:** Log into your NVR on the monitor. Navigate to the 'Channel' or 'Camera Management' settings. Enable the 'Auto Add' option. The NVR should automatically detect and add the WiFi camera. If prompted, enter the camera's login password.

Video 2: This video provides a detailed guide on how to connect a WiFi camera to a PoE NVR, including connecting both devices to the same LAN, configuring the WiFi camera via a mobile app, and adding it to the NVR.

3. Operating

3.1 Basic Navigation

After initial setup, use the connected USB mouse to navigate the DVR's graphical user interface (GUI) on your monitor. Right-click to access the main menu, and left-click to select options or confirm actions.

3.2 Changing Recording Plan

You can customize the recording schedule for each camera channel.

1. Log in to the DVR using your gesture pattern or password.
2. Go to the main menu, then navigate to 'Configuration' > 'Record' > 'Schedule'.

3. On the schedule interface, blue indicates continuous recording, red indicates event-triggered recording, and blank means no recording.
4. Select the camera channel whose recording plan you wish to change from the dropdown menu.
5. Click and drag the mouse on the timetable to select the desired time periods and recording types (continuous or event).
6. Click 'Apply' to save the settings. You can also use the 'Copy to' option to apply the same schedule to other camera channels.

Video 3: This video illustrates how to set or change the recording plan for an 8-channel DVR, detailing how to access the schedule, interpret the color codes for recording types, and apply custom recording times to individual or multiple channels.

3.3 Switching Analog Channels to IP Channels

Your DVR supports a combination of analog and IP cameras. You can switch analog channels to IP channels to expand your IP camera capacity.

1. Log in to the DVR using your gesture pattern or password.
2. Go to the main menu, then navigate to 'Configuration' > 'Camera' > 'Analog'.
3. In the 'Analog' window, you will see a list of channels. For each channel, there are options for 'HD/CVBS' (analog) and 'IP'.
4. Select the analog channel you wish to convert to an IP channel by clicking the corresponding 'IP' radio button. You can select one, several, or all analog channels to convert, depending on your DVR's capabilities.
5. Click 'Apply' to save the changes. The DVR will prompt a message indicating that new settings will take effect after a reboot. Click 'Yes' to reboot and apply the changes.
6. *Note: After an analog channel is switched to an IP channel, the BNC interface for that channel will no longer output images, even if an analog camera is connected, as it has become an IP channel.*

Video 4: This video demonstrates how to change analog channels to IP channels on an 8-channel DVR, guiding users through the menu to select and convert channels, and explaining the implications of this change.

4. Maintenance

4.1 Resetting the NVR

Resetting your NVR can resolve various issues, such as forgotten login passwords, incorrect settings, or software malfunctions (e.g., playback issues, HDD capacity display errors). There are several methods to reset your NVR:

1. **Via Mobile App:** Launch the Reolink App. Go to 'Device Settings' > 'Advanced' > 'Restore'. Tap 'Restore' to confirm.
2. **Via Desktop Client:** Launch the Reolink Client on your computer. Go to 'Device Settings' > 'System' > 'Maintenance'. Click 'Restore' and confirm the action.
3. **Via Web Browser:** Log in to your NVR via a web browser. Click the 'Device Settings' button > 'System' > 'Maintenance'. Click 'Restore' and confirm.
4. **On a Monitor:** Log in to your NVR on the connected monitor. Go to 'Settings' > 'System' > 'Maintenance'. Click 'Restore' and confirm.
5. **By Pressing the Reset Button (Physical):** This method involves physically accessing the reset button inside the NVR casing. You will need a screwdriver to remove the outer casing. Locate the reset button on the motherboard (its location may vary by model). Press and hold the reset button for approximately 10 seconds until you hear a beep sound, then release. The NVR will restore to its factory settings.

Video 5: This video demonstrates five different methods to reset a Reolink NVR, including using the mobile app, desktop client, web browser, directly on a monitor, and physically pressing the internal reset button, useful for troubleshooting login or configuration issues.

5. Troubleshooting

- **No Video Output:** Check HDMI/VGA cable connections. Ensure the monitor is on the correct input source. Verify DVR power.
- **Cameras Not Displaying:** Check camera power and video cable connections. Ensure cameras are compatible with the DVR's supported formats (HD-TVI, AHD, HD-CVI, CVBS, IP). If using IP cameras, verify network connectivity and ensure they are added correctly to the NVR.
- **Forgotten Password:** Refer to the 'Resetting the NVR' section for methods to reset your device password.
- **No Recording/HDD Issues:** Ensure an HDD is installed and properly connected. Check the HDD status in the DVR's system settings and format it if necessary. Verify recording schedules are correctly configured.
- **Remote Access Issues:** Ensure the DVR is connected to the internet. Check network settings (IP address, gateway, DNS). Verify port forwarding rules on your router if required for direct access. Ensure mobile app or client software is correctly configured with device details.

6. Specifications

Brand	Hikvision
Model Number	DS-7208HQHI-K1
Video Compression	H.265+
Analog Video Input	8-channel BNC interface (HD-TVI/AHD/HD-CVI/CVBS)
IP Video Input	4-channel (up to 4MP)
Analog Video Resolution	Up to 4MP (HD-TVI/AHD), 3MP (CH1~CH4 only), 2MP (HD-CVI), 1080p, 720p
Audio Input	RCA
HDD Interface	1 SATA interface (up to 10 TB capacity)
USB Ports	2
Voltage	12 Volts
Wattage	7.5 watts
Product Dimensions	30 x 50 x 9 cm; 1.94 kg

7. Warranty Information

Specific warranty details for the Hikvision DS-7208HQHI-K1 DVR are not provided in the available product data. Please refer to the official Hikvision website or contact your retailer for comprehensive warranty terms and conditions.

8. Support

For technical assistance, product inquiries, or further support regarding your Hikvision DS-7208HQHI-K1 DVR, please visit the official Hikvision support website or contact their customer service. Contact information can typically be found on the manufacturer's website or in the product packaging.

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