Hikvision DS-7108HGHI-F1

Hikvision DS-7108HGHI-F1 Digital Video Surveillance Recorder DVR User Manual

Model: DS-7108HGHI-F1

1. Introduction

The DS-7100HQHI-SH series DVR (Digital Video Recorder) is a new generation recorder developed by Hikvision. It is designed to connect HD analog cameras and provide powerful surveillance capabilities. This DVR integrates multiple advanced technologies, including audio and video encoding & decoding, embedded system technology, storage technology, network technology, and intelligent technology. It can function as a standalone recorder or integrate with other devices to build a comprehensive surveillance system. The DS-7100HQHI-SH series DVR is widely applied in various sectors such as finance, public security, military, communication, transportation, and education.

Available Model:

- DS-7104HQHI-SH

2. Product Overview

2.1. Main Features

- Connectable to HD-TVI and analog cameras.
- Connectable to Coaxitron cameras with long transmission distance.
- Simultaneous HDMI and VGA outputs at up to 1920×1080P resolution.
- New Graphical User Interface (GUI) and support for one-key recording.
- Redundant recording and holiday recording features.
- Instant playback for assigned cameras during multi-channel live view mode.
- Supports up to 4-channel synchronous playback at 1080P resolution and reverse playback for multi-camera setups.
- Smart playback to efficiently review important information.
- Manual video quality diagnostics.
- Customization of tags, searching, and playing back by tags.
- Locking and unlocking record files.
- Supports HDD quota management, allowing different capacities to be assigned to different cameras under quota mode.
- Provides 1 SATA interface for recording.

- Supports access via EZVIZ Cloud P2P.
- Up to 1 self-adaptive 10M/100M network interface.
- Supports Hikvision DDNS (Dynamic Domain Name System).
- Network detection function.

2.2. Physical Interfaces

The Hikvision DS-7108HGHI-F1 DVR features various ports for video input, audio, network, and power. Understanding these interfaces is crucial for proper setup and operation.

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DS-7100HQHI-SH Series DVR



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The DS-7100HQHI-SH series DVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc.

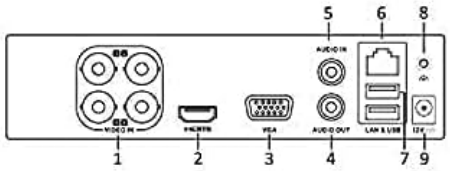
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Physical Interfaces:



Index	Name
1	VIDEO IN
2	HDMI Interface
3	VGA Interface
4	AUDIO OUT, RCA Connector
5	AUDIO IN, RCA Connector
6	LAN Network Interface
7	USB Ports
8	GND
9	12VDC Power Input

Typical Application:

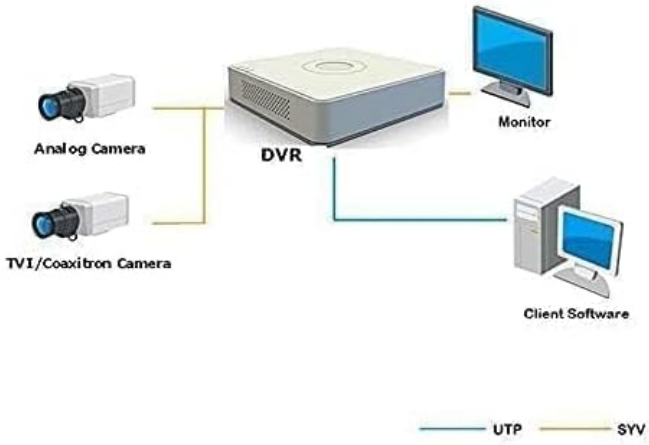


Image: Rear view of the Hikvision DS-7100HQHI-SH Series DVR, showing the various input and output ports. The image includes a table detailing each port's function.

Physical Interface Descriptions

Index	Name
1	VIDEO IN (BNC)

Index	Name
2	HDMI Interface
3	VGA Interface
4	AUDIO OUT, RCA Connector
5	AUDIO IN, RCA Connector
6	LAN Network Interface (Ethernet)
7	USB Ports
8	GND (Ground)
9	12VDC Power Input

3. Setup

3.1. Typical Application Scenario

The DVR is designed for various surveillance setups, connecting to different camera types and output devices.

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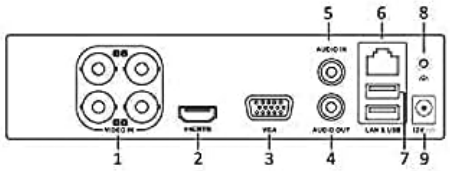
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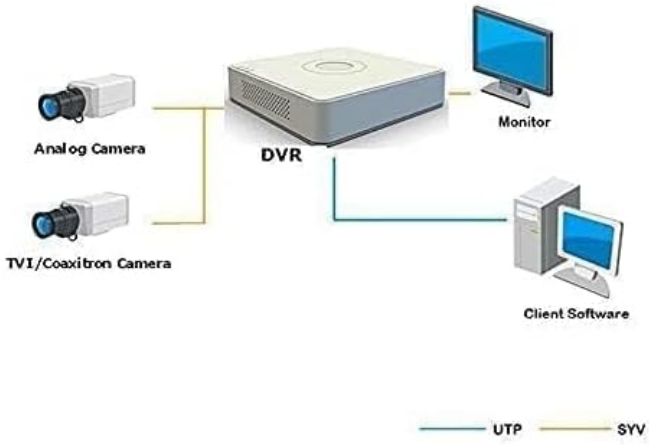


Image: A diagram illustrating a typical surveillance system setup. It shows Analog Cameras and TVI/Coaxitron Cameras connected to the DVR. The DVR is then connected to a Monitor and a Client Software via a network, using UTP and SYV cables.

3.2. Initial Connection

1. **Connect Cameras:** Connect your HD-TVI or analog cameras to the VIDEO IN (BNC) ports (1) on the rear panel.
2. **Connect Display:** Connect a monitor to either the HDMI (2) or VGA (3) interface.
3. **Connect Audio (Optional):** If using external audio devices, connect them to the AUDIO IN (5) and AUDIO OUT (4) RCA connectors.

4. **Network Connection:** Connect an Ethernet cable from your router or network switch to the LAN Network Interface (6) for remote access and network functions.
5. **USB Devices:** Connect a mouse or USB storage device to the USB Ports (7).
6. **Power On:** Connect the 12VDC power adapter to the Power Input (9) and plug it into a power outlet. The DVR will power on automatically.

3.3. Hard Disk Drive (HDD) Installation

The DVR requires an internal SATA HDD for recording. Ensure the DVR is powered off before installation.

1. Unscrew and remove the top cover of the DVR chassis.
2. Mount the HDD into the designated bay using the provided screws.
3. Connect the SATA data cable and power cable from the DVR to the HDD.
4. Replace the top cover and secure it with screws.
5. Upon powering on, format the HDD through the DVR's system settings if it's a new installation.

4. Operating Instructions

4.1. Initial Configuration

Upon first boot, follow the on-screen wizard to set up basic parameters such as language, date/time, network settings, and administrator password.

4.2. Live View

After successful setup, the DVR will display the live feed from connected cameras on the monitor. You can switch between single-channel and multi-channel views using the GUI.

4.3. Recording

- **Manual Recording:** Use the one-key recording function or the GUI to start/stop manual recording.
- **Scheduled Recording:** Configure recording schedules based on time or events (e.g., motion detection) in the system settings.
- **Redundant Recording:** Enable this feature for critical channels to ensure continuous recording even if one recording path fails.

4.4. Playback

- **Instant Playback:** Access instant playback for any assigned camera directly from the live view mode.
- **Search Playback:** Use the search function to find recorded footage by date, time, event, or custom tags.
- **Synchronous Playback:** Play back up to 4 channels simultaneously at 1080P resolution.
- **Smart Playback:** Utilize smart playback features to quickly review footage by skipping less effective information.

4.5. Remote Access

Configure network settings and use Hik-Connect (formerly EZVIZ Cloud P2P) or Hikvision DDNS for remote viewing and management via a mobile app or web browser.

5. Maintenance

- **Regular Cleaning:** Keep the DVR free from dust to ensure proper ventilation and prevent overheating.
- **Firmware Updates:** Periodically check the Hikvision official website for firmware updates to enhance performance

and security.

- **Data Backup:** Regularly back up important recordings to external storage devices.
- **HDD Health Check:** Monitor the health status of the installed HDD through the DVR's system settings.
- **Password Security:** Use strong, unique passwords for the DVR and change them regularly.

6. Troubleshooting

- **No Video Output:** Check HDMI/VGA cable connections, ensure the monitor is on and set to the correct input. Verify camera connections and power.
- **No Recording:** Check HDD status (formatted, healthy, sufficient space). Verify recording schedules and motion detection settings.
- **Network Connection Issues:** Check Ethernet cable, router/switch status, and DVR network settings (IP address, gateway, DNS). Test network detection function.
- **Remote Access Failure:** Ensure network connection is stable, Hik-Connect/DDNS settings are correct, and ports are forwarded if necessary.
- **System Freeze/Restart:** Ensure adequate ventilation. Check power supply stability. If issues persist, perform a factory reset (data will be lost) or contact technical support.

7. Specifications

Hikvision DS-7108HGHI-F1 DVR Specifications

Feature	Description
Manufacturer	Hikvision
Model Number	DS-7108HGHI-F1
Video Compression	H.264, H.264+
Video Input	8-ch BNC (1.0Vp-p, 75 Ω), supports HD-TVI (1080p/720p), AHD (720p), CVBS
Audio Input	1-ch RCA (2.0 Vp-p, 1 KΩ)
Two-way Audio	1-ch RCA (2.0 Vp-p, 1 KΩ)
HDMI/VGA Output	1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz
Recording Resolution	1080p lite/720p/WD1/4CIF/VGA/CIF (when 1080p Lite mode enabled)
Frame Rate	25fps (P)/30fps (N) for 1080p lite/720p stream
Synchronous Playback	8-ch
Network Interface	1; 10M / 100M self-adaptive Ethernet interface
USB Interface	2 USB 2.0
Hard Disk Interface	1 SATA interface
Hard Disk Capacity	Up to 6 TB per disk
Power Supply	12 VDC

Feature	Description
Power Consumption	≤ 20 W (without HDD)
Operating Temperature	-10 ºC ~ +55 ºC (14 ºF ~ 131 ºF)
Operating Humidity	10% ~ 90%
Dimensions (W×D×H)	200×200×45 mm (7.9× 7.9× 1.8 inches)
Weight (without HDD)	≤ 0.8 kg / 1.8 lbs

8. Product Demonstration Video

Watch this video for a visual demonstration of the Hikvision Turbo HD DVR, showcasing its physical appearance and key features.

Your browser does not support the video tag.

Video: A product demonstration video for the Hikvision Turbo HD DVR, showing the device from different angles and highlighting its design and ports. The video is 24 seconds long.

9. Warranty and Support

For warranty information, please refer to the warranty card included with your product or visit the official Hikvision website. Technical support is available through Hikvision's customer service channels, including online resources, phone support, and authorized service centers. Please have your product model and serial number ready when contacting support.
For additional resources and software downloads, visit the official Hikvision support page:www.hikvision.com

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question