



**DS-7600NI-SE/P Series NVR**  
**Technical Specification**

## Notices

---

The information in this documentation is subject to change without notice and does not represent any commitment on behalf of HIKVISION. HIKVISION disclaims any liability whatsoever for incorrect data that may appear in this documentation. The product(s) described in this documentation are furnished subject to a license and may only be used in accordance with the terms and conditions of such license.

Copyright © 2006-2012 by HIKVISION. All rights reserved.

**This documentation is issued in strict confidence and is to be used only for the purposes for which it is supplied.** It may not be reproduced in whole or in part, in any form, or by any means or be used for any other purpose without prior written consent of HIKVISION and then only on the condition that this notice is included in any such reproduction. No information as to the contents or subject matter of this documentation, or any part thereof, or arising directly or indirectly therefrom, shall be given orally or in writing or shall be communicated in any manner whatsoever to any third party being an individual, firm, or company or any employee thereof without the prior written consent of HIKVISION. Use of this product is subject to acceptance of the HIKVISION agreement required to use this product. HIKVISION reserves the right to make changes to its products as circumstances may warrant, without notice.

**This documentation is provided "as-is," without warranty of any kind.**

Please send any comments regarding the documentation to:

[overseasbusiness@hikvision.com](mailto:overseasbusiness@hikvision.com)

Find out more about HIKVISION at [www.hikvision.com](http://www.hikvision.com)

## Main Features

---

- **Connectable to network cameras with up to 5 Megapixels resolution.**
- **Support live view, storage and playback of video at 5.0 Megapixels resolution.**
- **4 independent PoE network interfaces are provided.**
- **Zooming in for any area when playback.**
- **Playing reversely.**
- **Adverse playback for multi-channel.**
- **Realize instant playback for assigned channel during multi-channel display mode.**
- **Digital zoom in live view and playback mode.**
- **Up to 8-ch synchronous playback at 4CIF resolution.**
- **Customization of tags, searching and playing back by tags.**
- **Searching record files by events (alarm input/motion detection).**
- **Holiday recording schedule configuration.**
- **HDD quota management; different capacity can be assigned to different channel.**
- **Redundant recording.**
- **2 SATA interfaces available.**
- **Dual system design ensures high reliability and stability.**
- **1 self-adaptive 10M/100M/1000M network interface.**
- **IPv6 is supported.**
- **TCP/IP protocol, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, UPnP and iSCSI are supported.**

---

## Functions & Performances

---

### General

- Connectable to the network cameras.
- Each channel supports dual-stream.
- Up to 8 network cameras can be added.
- Independent configuration for each channel, including resolution, frame rate, bit rate, image quality, etc.
- The quality of the imported and exported record is configurable.

### HDD Management

- Up to 2 SATA hard disks, 8 network disks (8 NAS disks, or 7 NAS disks+1 iSCSI disk) can be connected, each disk with a maximum of 4TB storage capacity.
- Support S.M.A.R.T. and bad sector detection.
- HDD group management.
- Support HDD standby function.
- HDD property: redundancy, read-only, read/write (R/W).
- HDD quota management; different capacity can be assigned to different channel.

### Recording and Playback

- Holiday recording schedule configuration.
- Cycle and non-cycle recording mode.
- Normal and event video encoding parameters.
- Multiple recording types: manual, continuous, alarm, motion, motion | alarm, motion & alarm.
- 8 recording time periods with separated recording types.
- Pre-record and post-record for alarm, motion detection for recording, and pre-record time for schedule and manual recording.
- Searching record files by events (alarm input/motion detection).
- Customization of tags, searching and playing back by tags.
- Locking and unlocking record files.
- Local redundant recording.
- Searching and playing back record files by channel number, recording type, start time, end time, etc.
- Zooming in for any area when playback.
- Playing reversely.
- Adverse Playback for Multi-channel.
- Supports pause, play reversely, speed up, speed down, skip forward, and skip backward when playback, locating by dragging the mouse.
- Up to 8-ch synchronous playback at 4CIF real time.

### Backup

- Support NTFS and FAT32 formatted backup devices.
- Export data by USB devices.
- Export video clips when playback.
- Management and maintenance of backup devices.

## **Alarm and Exception**

- Configurable arming time of alarm input/output.
- Alarm for video loss, motion detection, tampering, abnormal signal, different input and output video standard, illegal login, network disconnected, IP conflict, record exception, HDD error, and HDD full, etc.
- Alarm triggers full screen monitoring, audio alarm, notifying surveillance center, sending email and alarm output.
- Automatic restore when system is abnormal.

## **Other Local Functions**

- Control via mouse, remote control and special keyboard.
- Three-level user management; admin user can create many operating account and define their limits of authority, which includes the limit to access any channel.
- Completeness of operation, alarm, exceptions and log writing and searching.
- Import/export of device configuration files.

## **Network Functions**

- 1 self-adaptive 10M/100M/1000M network interface.
- 4 independent PoE network interfaces are provided.
- IPv6 is supported.
- TCP/IP protocol, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, UPnP, and iSCSI are supported.
- TCP, UDP and RTP for unicast.
- Remote search, playback, download, locking and unlocking the record files, and downloading files broken transfer resume.
- Remote parameters setup; remote import/export of device parameters.
- Remote viewing of the device status, system logs and alarm status.
- Remote keyboard operation.
- Remote HDD formatting and program upgrading.
- Remote system restart and shutdown.
- RS-485 transparent channel transmission.
- Alarm and exception information can be sent to the remote host.
- Remotely start/stop recording.
- Remotely start/stop alarm output.
- Remote PTZ control.
- Embedded WEB server.

- **Development Scalability**

- SDK for Windows and Linux system.
- Source code of application software for demo.
- Development support and training for application system.

## Panels & Interfaces

---

### Front Panel



DS-7600NI-SE/P

---

- ① Status Indicator(Power, Status, Tx/Rx)
- ② USB Interface

## Rear Panel



- ① LAN Network Interface
- ② RS-485 Interface
- ③ 100~240VAC Power Input
- ④ Power Switch
- ⑤ USB Interface
- ⑥ GND
- ⑦ HDMI Interface
- ⑧ VGA Output
- ⑨ Audio In
- ⑩ Audio Out
- ⑪ Network Interfaces with PoE function



## Specifications

Model		DS-7604NI-SE/P	DS-7608NI-SE/P
Video/Audio input	<b>IP video input</b>	4-ch	8-ch
	<b>Voice input talk</b>	1-ch, RCA (2.0 Vp-p, 1kΩ)	
Video/Audio output	<b>Decoding resolution</b>	5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	<b>HDMI/VGA output</b>	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz	
	<b>CVBS</b>	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC) (optional)	
	<b>Audio output</b>	1-ch, RCA (Linear, 1kΩ)	
	<b>Playback resolution</b>	5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF	
	<b>Synchronous playback</b>	4-ch, 4CIF (Real-time) 4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP (Non-real-time)	8-ch, 4CIF (Real-time) 8-ch, 720P / 4-ch, 1080P / 2-ch, 5MP (Non-real-time)
Hard disk	<b>SATA</b>	2 SATA interfaces for 2 HDDs	
	<b>Capacity</b>	Up to 4TB for each disk	
External interface	<b>Network interface</b>	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface	
		4 independent 10 /100 Mbps PoE Ethernet interfaces	
	<b>Serial interface</b>	1 RS-485 half-duplex interface	
	<b>USB interface</b>	2 × USB 2.0	
	<b>Alarm in/out</b>	4/1 (optional)	
Others	<b>Power supply</b>	100~240VAC, 47~63Hz, 3A	
	<b>Consumption</b>	≤ 15 W (without hard disk)	
	<b>Working temperature</b>	-10 °C ~ +55 °C	
	<b>Working humidity</b>	10 % ~ 90 %	
	<b>Chassis</b>	19-inch rack-mounted 1U chassis	
	<b>Dimensions (W × D × H)</b>	445 × 290 × 45mm	
	<b>Weight</b>	≤ 2 Kg ( without hard disk)	