DS-7600NI-SE/P Series NVR

Technical Specification

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Please send any comments regarding the documentation to:
overseasbusiness@hikvision.com

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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.**
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- **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.**
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- **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 confliction, 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

DS-7600NI-SE/P

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