SUPERIOR STORAGE AND ROBUST RECORDING

Hikvision Network Video Recorders 2020
Top quality cameras deserve top quality NVRs. Hikvision embedded Network Video Recorders offer the benefits of managing bandwidth and storage with the latest H.265+ compression technology. The all-in-one NVRs have powerful capabilities, supporting up to 32 MP resolution for recording. Ultra-high definition output up to 4K is now supported on all NVR models, from entry level to professional. For data safety, Hikvision Network Video Recorders provide RAID, N+1 hot spare, and ANR functions, ensuring stable and reliable video recording. With Deep Learning units, Hikvision video recording becomes more powerful and more intelligent than ever.
**RELIABLE STORAGE**

**Hard Drive Storage**

The Hard Drive Health Detection function here enables users to clearly see how many storage units are operating normally.

**RAID**

The RAID function ensures that data stored on functioning hard drives can still be played back. Hikvision NVRs support RAID 0, 1, 5, 6, 10.

**Dual Stream Recording**

Dual-stream recording ensures high-quality streaming for local playback and lower-quality streaming for remote playback to allow for different network conditions.

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**DIVERSIFIED VIDEO DISPLAY**

**Channel Zero**

With the channel-zero function, users can view up to 16 cameras connected to an NVR but only use one channel’s worth of bandwidth. This function helps to ensure fluid video for remote users.

**Multiple Stream Types**

Hikvision NVRs automatically adapt to multiple code streams types, making them compatible with several kinds of cameras. Taking 1080p cameras for example, as below.

**Multi-Video Output**

Synchronous Outputs: The same channel displays at multiple locations simultaneously

Independent Outputs: Multiple outputs can display various channels independently, enabling users to view multiple channels at the same time and save their time.

**HD Video Display**

Boasting 4K decoding and display, Hikvision NVRs record and reproduce sharper images with more details and yield more potent security video.

**Video Wall Display**

NVRs equipped with Hikvision’s decoding board can render excellent imaging on a video wall. Video walls expand and extend the use of conventional monitors.

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TRUSTED STABILITY

Embedded Linux System
All the NVRs* are embedded with a Linux system, which adds to the overall stability.
*Excluding workstations

Dual Systems
Our NVRs have two copies of the OS system in the flash memory, so if one of them fails, the redundant firmware will operate in its place.

N+1 Hot Spare
When NVR X breaks down, the standby NVR will take over for it to keep the system operating continuously. When the network recovers, recorded video transfers back to NVR X (the standby NVR can only take over one offline device at a time). *n ≤ 16

Automatic Network Replenishment
If the network goes down, video recording will move to the on-board SD card in the IP camera. Upon network recovery, recorded video will return back to the NVR.

Smooth Streaming
Smooth streaming can automatically adjust bit rate and resolution according to real-time network condition to ensure a smooth live view and playback when network conditions are poor.

EASE OF USE

New GUI
The newly released GUI features a more concise design.
- There are 5 modules for quick access
- There are 2 modes for more efficient operation.
- The easy mode shows frequently used configurations.
- The expert mode displays all configurations provided to professional users.

Auto Connection
Three steps get users up and running with live view with no need to configure your IP.
*Available for non-PoE models

Long Transmission Distance
300 m long-distance transmission
Long distance transmission of up to 300 m made possible.

Wi-Fi Connection
Wi-Fi matching easily connects Wi-Fi NVRs to inactivated Wi-Fi cameras.
* This function is supported by cameras which are inactive or share the same password with the NVR.
Easy Playback

Hikvision NVRs support several smart playback modes:
- Smart Mode: Skip static images and play back periods containing the target event.
- Sub-Period Mode: Cut an extended time period into several short periods. Play back any short time period in several different channels at the same time.

Password Retrieval

It only takes 3 steps to reset password within 1 minute. Please note that the Hik-connect account needs to be bound with the NVR in advance.

1. Click “forget the password” and choose “Verify with Hik-Connect”
2. Scan the QR code on the GUI and get a verification code on the Hik-Connect app
3. Key in the verification code and reset password

No Web Plugin Required

- No web plugin required for live viewing or configuration
- Up to 8 MP IP camera access for 2 MP live view or playback

Dual NICs

The Dual-NIC feature provides two isolated network interfaces, so customers can configure LAN & WAN surveillance according to their particular application and needs.

Virtual Host

For remote users, this function offers an easy way to configure IP camera parameters connected to the PoE port even when the IP camera has not been allocated an IP address. A link on the NVR’s web page takes users to the IPC’s web page.

*Only available for PoE NVRs

Third-Party Compatibility

Hikvision NVRs support ISUP protocol and over 20 common third-party camera protocols, including Hik, Panasonic, Onvif, Axis, SAMSUNG, SANYO, ARECONT, ZAVIO, PELCO, VIVOTEK, SONY, ACTI, CANON, BRICKCOM, BOSCH, HUNT, RTSP, and more. We also provide third-party integrators with SDK and ISAPI protocol documents.

Support more than 20 mainstream third-party camera protocols

Multi-Device Access

Users can manage an NVR through various channels and the alarm information will be pushed to each one.
Multilevel Permissions

Each user can be assigned any access level. Management of multiple users can be employed to ensure device and information security. The default user “Admin” is the administrator. This user has the highest privilege set and can decide the other two levels of user authorization.

Double Verification Permission for Non-Admin Users

After double verification is enabled in the channel, a non-admin user must be verified by an authorized user to be granted permission. Only admin has the authorization to set double verification.

TLS 1.2 Protocol

Hikvision I-Series NVRs support the 802.1x EAP-TLS 1.2 protocol, which allows them to acquire authorized certificates, and only devices with the certificates have access to the private network.

Human and Vehicle Classification

Based on a deep learning algorithm, the DeepinMind Series & AcuSense Series support video analysis for human and vehicle recognition to reduce false alarms.

- Intrusion detection and line crossing for perimeter protection
- Efficient alarms of humans and vehicles
- Quick target search

Facial Recognition

Based on a deep learning algorithm, the DeepinMind NVR/NVS supports powerful face capture, modeling and comparison.

Video Structuralization

Based on a deep learning algorithm, the DeepinMind Series NVR/NVS supports powerful video analysis of human bodies and vehicles.

Privacy Protection Solution

With a deep learning algorithm, Hikvision privacy protection systems put dynamic privacy mosaics of faces or human bodies on live streams and exported footage.

- Selectable targets: while exporting footage, you can choose which target will be covered with mosaics and which will not.
- Mosaic mode: gaussian or pixelated
- System: network cameras, a DeepinMind NVR, and the HikCentral platform.
- This solution is widely used in scenarios with high privacy-protection requirements.
CONVENIENT EVENT MANAGEMENT

Hik-Connect

Hik-Connect Mobile Software provides privacy, security, convenience, & efficiency when using your smartphone or tablet.

Privacy | Security | Convenience | Efficiency

VMS Client – iVMS-4200

With Hikvision’s iVMS-4200, you get quick access via your PC to live feed viewing, playback, video recording, and remote searching.

4200 for central management

Live feed viewing | Playback | Video recording | Remote searching

Superior Storage

Robust Recording
DeepinMind Super NVR
iDS-96xxxNXI-I Series

- Supports both facial recognition and false alarm reduction based on deep learning algorithm
- Supports facial recognition, false alarm reduction and video structuralization based on deep learning algorithm (three functions switchable)
- Supports up to 16/32 channels of facial recognition
- Supports up to 16/32 libraries, up to 500,000 face images
- Supports up to 48/96 channels of video analysis for human and vehicle recognition to reduce false alarms
- Supports multiple VCA events
- Supports up to 8/16/32 channels of IP cameras that can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 256/512 Mbps incoming bandwidth
- Up to 256 GB SSDs, 2 HDMI and 1/2 VGA interfaces
- Supports some specialty cameras, including people counting and ANPR cameras
- Supports RAID 0, 1, 5, 6, 10 and N+1 hot spare
- Smooth streaming in poor network conditions

DeepinMind NVR
iDS-77/76xxxNXI-I Series

- Supports both facial recognition and false alarm reduction based on deep learning algorithm
- Supports facial recognition, false alarm reduction and video structuralization based on deep learning algorithm (three functions switchable)
- Supports up to 8/16/32 channels of facial recognition
- Supports up to 8/16/32 libraries, up to 100,000 face images
- Supports up to 16/32 channels of video analysis for human and vehicle recognition to reduce false alarms
- Supports multiple VCA events
- Supports up to 8/16/32 channels of IP cameras that can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 256/320 Mbps incoming bandwidth
- 2/4/6/8 HDDs, 1/2 HDMI and 1/2 VGA interfaces
- 16 independent PoE network interfaces (optional)
- Supports some specialty cameras, including people counting, ANPR, fisheye cameras
- Smooth streaming in poor network conditions

DeepinMind NVR
iDS-67xxNXI-I Series

- Supports both facial recognition and false alarm reduction based on deep learning algorithm
- Supports facial recognition, false alarm reduction and video structuralization based on deep learning algorithm
- Supports facial recognition based on deep learning algorithm
- Supports up to 8/16 channels of facial recognition
- Supports up to 16/32 libraries, up to 100,000 face images
- Supports up to 16 channels of video analysis for human and vehicle recognition to reduce false alarms
- Supports multiple VCA events
- Supports up to 8/16/32 channels of IP cameras that can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 256/320 Mbps incoming bandwidth
- 1 built-in 2 TB SATA HDD
- 2 HDMI and 2 VGA interfaces (IDS-6708NXI-I/8F)
- Supports some specialty cameras, including people counting, ANPR, fisheye cameras
- Smooth streaming in poor network conditions
Ultra Series Super NVR

**DS-96xxxNI-I Series**
- Up to 128/256 channels of IP cameras can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 768 Mbps incoming bandwidth
- 2 HDMI and 1 VGA interface, and 1 decoding board (optional)
- 16/32 HDDs can be used for continuous video recording
- Redundant power supply
- Supports some specialty cameras, including people counting, ANPR cameras
- Smooth streaming in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

Ultra Series NVR

**DS-96xxNI-I Series**
- Up to 16/32/64 channels of IP cameras can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 256/310 Mbps (or 200 Mbps when RAID is enabled) incoming bandwidth
- 8/16 HDDs, 2 HDMI and 1/2 VGA interfaces
- Supports some specialty cameras, including people counting, ANPR, fisheye cameras
- Smooth streaming in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

AcuSense Series NVR

**DS-76/77xxNXI-I Series**
- Up to 8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 4K high-definition live view, storage and playback
- Up to 8 channels @ 1080p decoding capacity
- Up to 64/128/256 Mbps incoming bandwidth
- HDMI and VGA interfaces support independent video output.
- 8/16 HDDs for continuous video recording
- Supports various functional cameras, like thermal, fisheye, people counting, heat map, ANPR (automatic number plate recognition)
- Advanced streaming technology enables smooth live view and data self-correcting in poor network environment
- Supports dual-stream recording that reduces time and bandwidth.

Pro Series NVR

**DS-76/77xxNI-I Series**
- Up to 8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 12 MP high-definition live view, storage and playback
- Up to 2 HDDs of 1080p decoding capacity
- Up to 64/128/256 Mbps incoming bandwidth
- Supports IP cameras can be connected
- HDMI and VGA interfaces support independent video output.
- 2/4 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 8/16/24 Power-over-Ethernet (PoE) interfaces
- Supports some specialty cameras, like people counting, ANPR (automatic number plate recognition) cameras (excluding DS-76XXNI-K1 (B))
- Channel-zero function ensures smooth remote live view and playback in low bandwidth environment
- Supports dual-stream recording that reduces time and bandwidth.

**DS-76/77/86xxNI-K Series**
- Up to 8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 4K high-definition live view, storage and playback
- Up to 4 channels @ 1080p decoding capacity
- Up to 80/160 Mbps incoming bandwidth ensures IP cameras can be connected
- HDMI and VGA interfaces support independent video output (excluding DS-7604NXI-K1 (B))
- 2/4 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 8/16/24 Power-over-Ethernet (PoE) interfaces
- Supports various functional cameras, like thermal, fisheye, people counting, heat map, ANPR (automatic number plate recognition)
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

**DS-96xxxNI-I Series**
- Up to 16/32/64 channels of IP cameras can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 256/310 Mbps (or 200 Mbps when RAID is enabled) incoming bandwidth
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 12 MP high-definition live view, storage and playback
- Up to 16 channels @ 1080p decoding capacity
- Up to 80/160/256 Mbps incoming bandwidth
- HDMI and VGA interfaces support independent video output.
- Supports various functional cameras, like thermal, fisheye, people counting, heat map, ANPR (automatic number plate recognition)
- Advanced streaming technology enables smooth live view and data self-correcting in poor network environment
- Supports dual-stream recording that reduces time and bandwidth.

**DS-76/77/86xxNI-Q Series**
- Up to 8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 12 MP high-definition live view, storage and playback
- Up to 4 channels @ 1080p decoding capacity
- Up to 80/160/200 Mbps incoming bandwidth ensures IP cameras can be connected
- HDMI and VGA interfaces support independent video output (excluding DS-7604NI-Q1 (B))
- 2/4 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 8/16 Power-over-Ethernet (PoE) interfaces
- Supports various functional cameras, like people counting, ANPR (automatic number plate recognition) cameras (excluding DS-76XXNI-Q1 (B))
- Channel-zero function ensures smooth remote live view and playback in low bandwidth environment
- Supports auto connection

**Pro Series NVR**

**DS-76/77xxNI-Q Series**
- Up to 8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 4K high-definition live view, storage and playback
- Up to 4 channels @ 1080p decoding capacity
- Up to 80/160/256 Mbps incoming bandwidth ensures IP cameras can be connected
- HDMI and VGA interfaces support independent video output (excluding DS-7604NI-Q1 (B))
- 2/4 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 8/16 Power-over-Ethernet (PoE) interfaces
- Supports some specialty cameras, like people counting, ANPR, fisheye cameras
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare
- Supports smooth streaming in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

**DS-96xxNI-Q Series**
- Up to 4/8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 4K high-definition live view, storage and playback
- Up to 4 channels @ 1080p decoding capacity
- Up to 80/160/256 Mbps incoming bandwidth ensures IP cameras can be connected
- HDMI and VGA interfaces support independent video output (excluding DS-7604NI-Q1 (B))
- 2/4 HDDs for continuous video recording
- Supports smooth streaming in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare
- Supports some specialty cameras, including people counting, ANPR cameras
- Supports smooth streaming in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

**Pro Series NVR**

**DS-96xxNI-I Series**
- Up to 16/32/64 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 12 MP high-definition live view, storage and playback
- Up to 8 channels @ 1080p decoding capacity
- Up to 256/320 Mbps incoming bandwidth
- HDMI and VGA interfaces support independent video output.
- Supports some specialty cameras, including people counting, ANPR, fisheye cameras
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

**Ultra Series NVR**

**DS-76/77xxNI-I Series**
- Up to 8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 12 MP high-definition live view, storage and playback
- Up to 16 channels @ 1080p decoding capacity
- Up to 80/160/256 Mbps incoming bandwidth
- HDMI and VGA interfaces support independent video output.
- Supports some specialty cameras, including people counting, ANPR, fisheye cameras
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

**Pro Series NVR**

**DS-96xxNI-I Series**
- Up to 16/32/64 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 12 MP high-definition live view, storage and playback
- Up to 8 channels @ 1080p decoding capacity
- Up to 80/160/256 Mbps incoming bandwidth ensures IP cameras can be connected
- HDMI and VGA interfaces support independent video output.
- Supports some specialty cameras, including people counting, ANPR cameras
- Supports smooth streaming in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

**Ultra Series Super NVR**

**DS-96xxxNI-I Series**
- Up to 128/256 channels of IP cameras can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 768 Mbps incoming bandwidth
- 2 HDMI and 1 VGA interface, and 1 decoding board (optional)
- 16/32 HDDs can be used for continuous video recording
- Redundant power supply
- Supports some specialty cameras, including people counting, ANPR cameras
- Smooth streaming in poor network conditions
- Supports RAID 0, 1, 5, 6, 10 and 4/1 hot spare

**Pro Series NVR**

**DS-76/77xxNI-I Series**
- Up to 8/16/32 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 12 MP high-definition live view, storage and playback
- Up to 2 HDDs of 1080p decoding capacity
- Up to 64/128/256 Mbps incoming bandwidth
- Supports IP cameras can be connected
- HDMI and VGA interfaces support independent video output.
- 2/4 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 8/16/24 Power-over-Ethernet (PoE) interfaces
- Supports various functional cameras, like thermal, fisheye, people counting, heat map, ANPR (automatic number plate recognition)
- Advanced streaming technology enables smooth live view and data self-correcting in poor network environment
- Supports dual-stream recording that reduces time and bandwidth.
Blazer Pro
Blazer Pro/128(256)/16H
- Blazer Pro combines VMS, server, and storage, and is delivered with a default license of specified number of channels (128/256 channels); Operating System embedded Linux, up to 16-ch synchronous playback.
- Up to 16 channels (2 MP / 4 channels @ 1080p) decoding capacity.
- Up to 10/100 Mbps incoming bandwidth ensures IP cameras can be connected.
- HDMI and VGA interfaces support simultaneous video output.
- 1 HDD for continuous video recording.
- Support Auto connection.

Value Series NVR
DS-71xxNI-Q1 Series
- Up to 4/8 channels of IP cameras can be connected.
- Supports decoding H.264, H.264+, H.265, H.265+ video formats.
- Up to 8 MP high-definition live view, storage and playback.
- Up to 1 channel @ 4 MP / 4 channels @ 1080p decoding capacity.
- Up to 3TB HDD for continuous video recording.
- Easy to Use, all-in-one, pre-installed OS and VMS.
- Easy to Install through automatic wireless connection.
- Easy to Manage through Hik-Connect app.

Value Series Wi-Fi NVR
DS-71/76xxNI-K1/W Series
- Up to 4/8 channels of IP cameras can be connected.
- Supports decoding H.264, H.264+, H.265, H.265+ video formats.
- Up to 4 MP / 4K high-definition live view, storage and playback.
- Up to 4 channels @ 1080p decoding capacity.
- Easy to Use, all-in-one, pre-installed OS and VMS.
- Easy to Install through automatic wireless connection.
- Easy to Manage through Hik-Connect app.

Workstation Ultra Series
DS-9000AI-S16-D
- Ultra series (100,256-ch), Dual board, 16 HDD.
- Pre-installed Linux Ubuntu (Win 7, Win 7E, Win 10, Windows Server 2008 R2, Windows Server 2012 R2 can be installed by customers).
- Windows Server 2012 R2 can be installed by customers.
- Unique module featuring the strengths of outstanding hardware development.
- Configurable alarm I/O and PoE interfaces for third-party integration.
- Multiple models with corresponding hardware such as CPU, memory, and strong provide to satisfy a host of applications.
- Advanced industrial design and intuitive user interfaces.
- Abundant experience in hardware development and O&M service.

Workstation Pro Series
DS-WSPXI-TX (08)
- Ultra series (100,256-ch), Dual board, 16 HDD.
- Pre-installed Linux Ubuntu (Win 7, Win 7E, Win 10, Windows Server 2008 R2, Windows Server 2012 R2 can be installed by customers).
- Windows Server 2012 R2 can be installed by customers.
- Unique module featuring the strengths of outstanding hardware development.
- Configurable alarm I/O and PoE interfaces for third-party integration.
- Multiple models with corresponding hardware such as CPU, memory, and strong provide to satisfy a host of applications.
- Advanced industrial design and intuitive user interfaces.
- Abundant experience in hardware development and O&M service.

Workstation Eco Series
DS-WSEXI-TX(/XP/XH)
- Ultra series (100,256-ch), Dual board, 16 HDD.
- Pre-installed Linux Ubuntu (Win 7, Win 7E, Win 10, Windows Server 2008 R2, Windows Server 2012 R2 can be installed by customers).
- Windows Server 2012 R2 can be installed by customers.
- Unique module featuring the strengths of outstanding hardware development.
- Configurable alarm I/O and PoE interfaces for third-party integration.
- Multiple models with corresponding hardware such as CPU, memory, and strong provide to satisfy a host of applications.
- Advanced industrial design and intuitive user interfaces.
- Abundant experience in hardware development and O&M service.