

SUPERIOR STORAGE AND ROBUST RECORDING

Hikvision Network
Video Recorders 2021

HIKVISION[®]

HIKVISION NVR INTRODUCTION



HIKVISION NVRS

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.



Stable storage system



Powerful and economical IPC input and display



Stable operation 24/7



Convenient and easy to use



Excellent VCA accuracy



More useful design

DeepinMind & AcuSense Series

DeepinMind Super NVR

Up to 48 ch. facial recognition
Up to 96 ch. false alarm reduction

DeepinMind NVR

Up to 16 ch. facial recognition or up to 4 ch.

DeepinMind NVS

Up to 16 ch. facial recognition or up to 16 ch.

AcuSense NVR

Human and vehicle classification
Quick target search

Special Series Blazer Pro

Combines VMS, server, and storage One-stop solution

Special Series Workstation

One-stop service and cost efficiency
Eco & Pro & Ultra series

8/9-Series

Up to 4 ch. @ 8 MP
Up to 24 HDDs
Up to 256 IP cameras access

Ultra Series

76/77 I-Series

4 ch. @ 8 MP
2/4 HDDs
Special camera access

Pro Series

76/77 K-Series

2 ch. @ 8 MP
2/4 HDDs
Alarm I/O

76/77 Q-Series

1 ch. @ 8 MP
2/4 HDDs
Audio output

Value Series

71 Q-Series

4 ch. @ 1080p
1 HDD
H.265+

Wi-Fi-Series

4 ch. @ 1080p
1 HDD
One-click connection
Easy installation

RELIABLE STORAGE

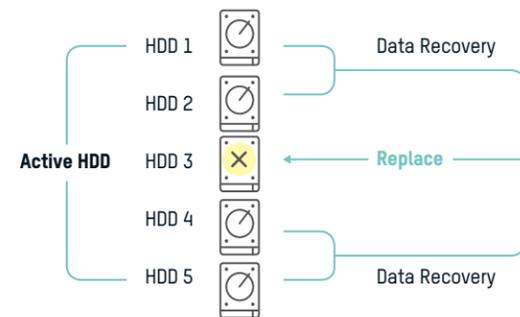
Hard Drive Storage

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

- Up to **24** disks
- Up to **8TB** for a single HDD
- Up to **192TB** 9 months @ 1080P
- 96 series support HDD **Hot Swap**

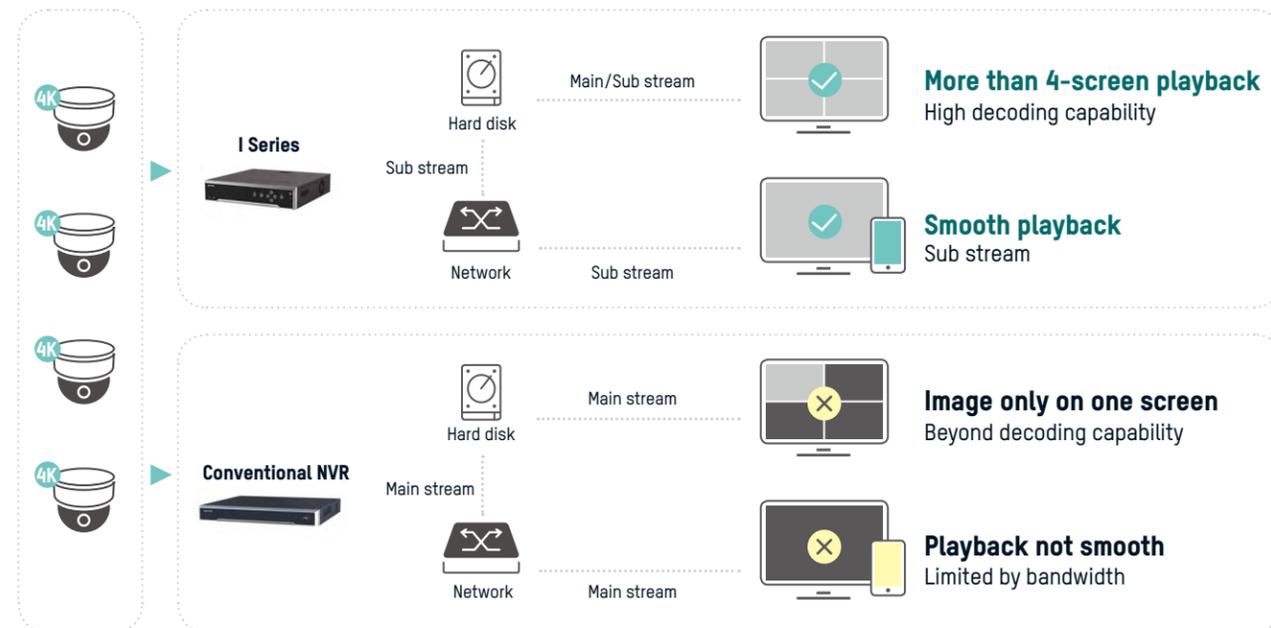
RAID

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

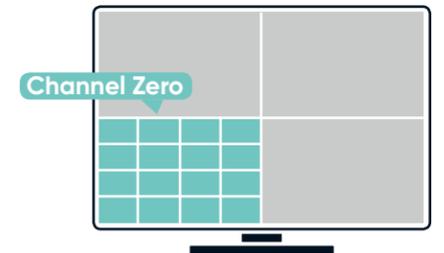
Dual-stream recording ensures high-quality streaming for local playback and lower-quality streaming for remote playback to allow for different network conditions.



DIVERSIFIED VIDEO DISPLAY

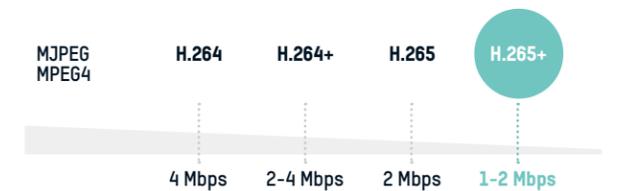
Channel Zero

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.



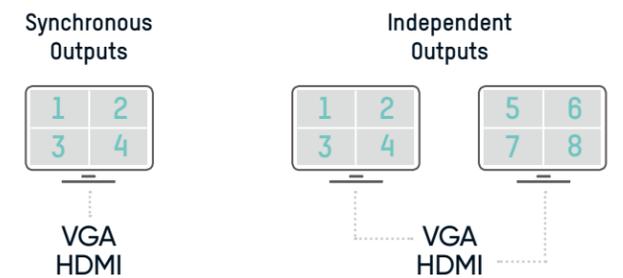
Multiple Stream Types

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.

The Super I Series:

Up to 5 channels of video at 4K Or up to 20 channels at 1080p

The I-Series:

Up to 4 channels of video at 4K Or up to 16 channels at 1080p

The K-Series:

Up to 2 channels of video at 4K Or up to 8 channels at 1080p

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.

TRUSTED STABILITY

Embedded Linux System

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

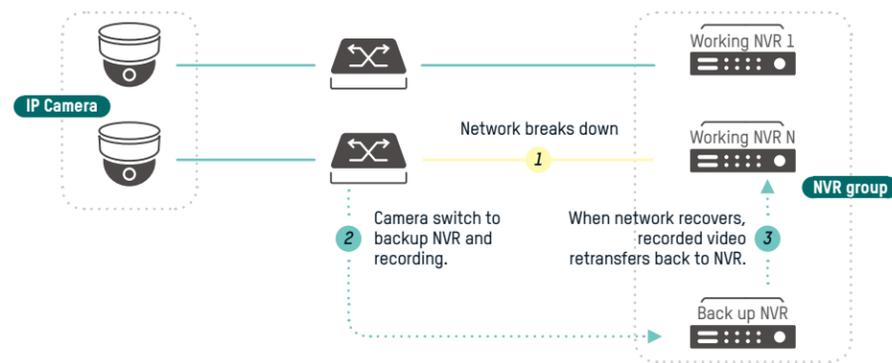
Dual Systems

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.



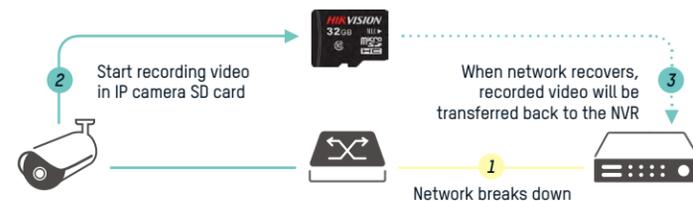
N+1 Hot Spare

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.



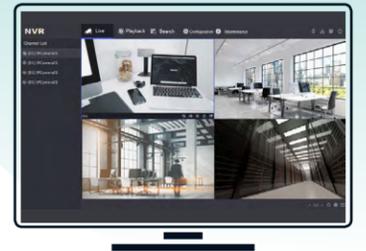
Smooth Streaming

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



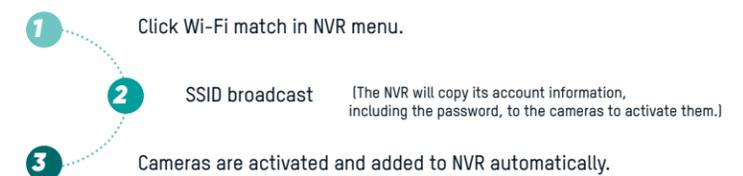
Long Transmission Distance

100 to 300 m long-distance transmission is made possible. Please note only certain models can reach 300-meter transmission distance with designated network cables.



Wi-Fi Connection

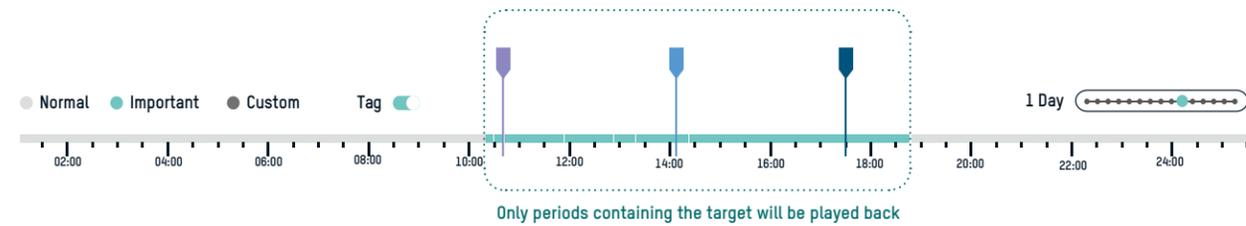
Wi-Fi matching easily connects Wi-Fi NVRs to inactivated Wi-Fi cameras.
* This function is supported by cameras which are inactive or share the same password with the NVR.



Easy Playback

Hikvision NVRs support several smart playback modes:

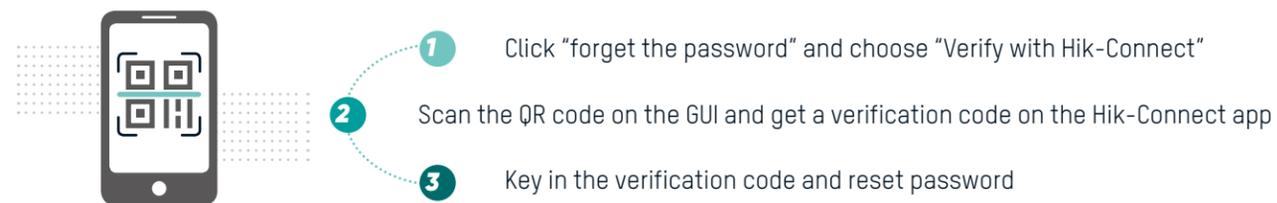
- Smart Mode: Skip static images and play back periods containing the target event.
- Sub-Period Mode: Cut an extended time period into several short periods. Play back any short time period in several different channels at the same time.



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.



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



*Supports Google and Firefox

Dual NICs

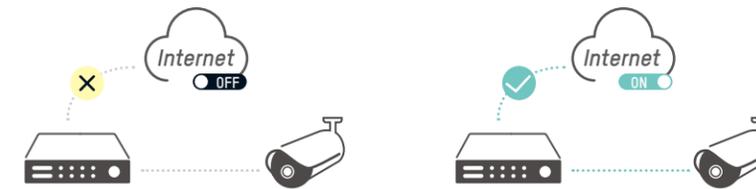
The Dual-NIC feature provides two isolated network interfaces, so customers can configure LAN & WAN surveillance according to their particular application and needs.



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



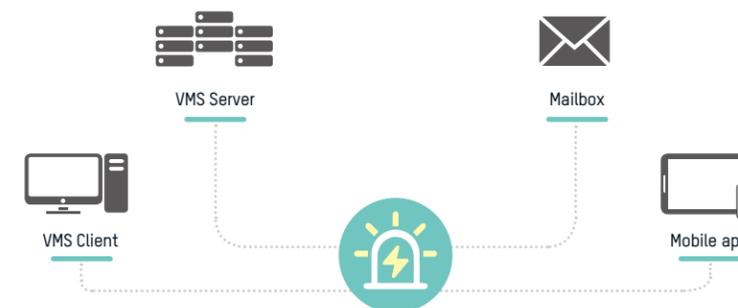
Third-Party Compatibility

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

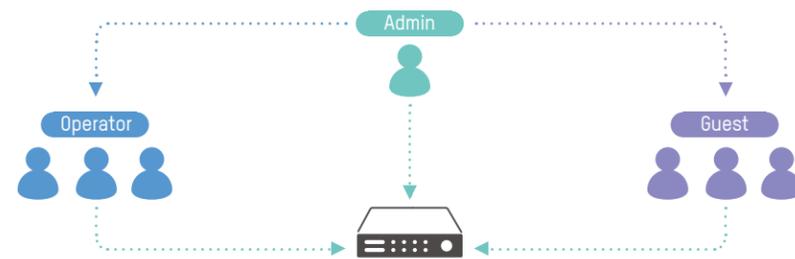
Users can manage an NVR through various channels and the alarm information will be pushed to each one.



ENHANCED SECURITY

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.



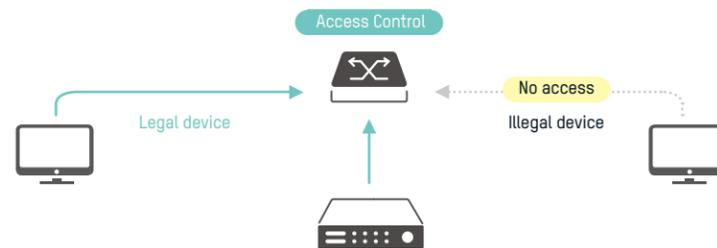
Double Verification Permission for Non-Admin Users

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.

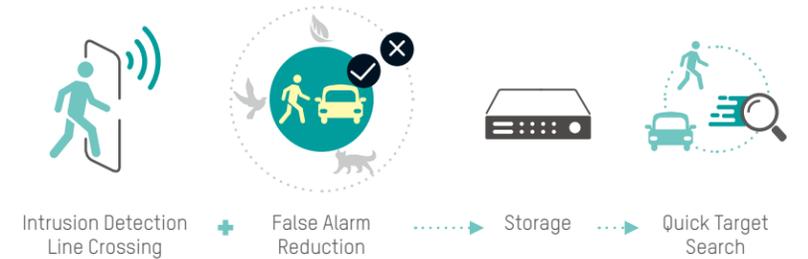


INTELLIGENT VIDEO ANALYTICS

Human and Vehicle Classification

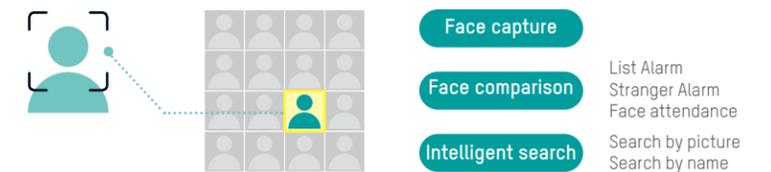
Based on a deep learning algorithm, the DeepinMind Series & AcuSense Series support video analysis for human and vehicle recognition to reduce false alarms.

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



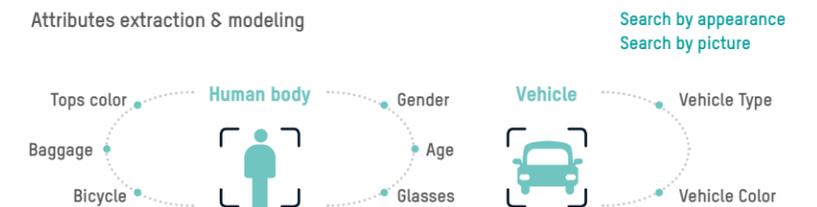
Facial Recognition

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



Video Structuralization

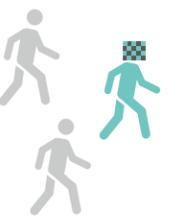
Based on a deep learning algorithm, the DeepinMind Series NVR/NVS supports powerful video analysis of human bodies and vehicles.



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

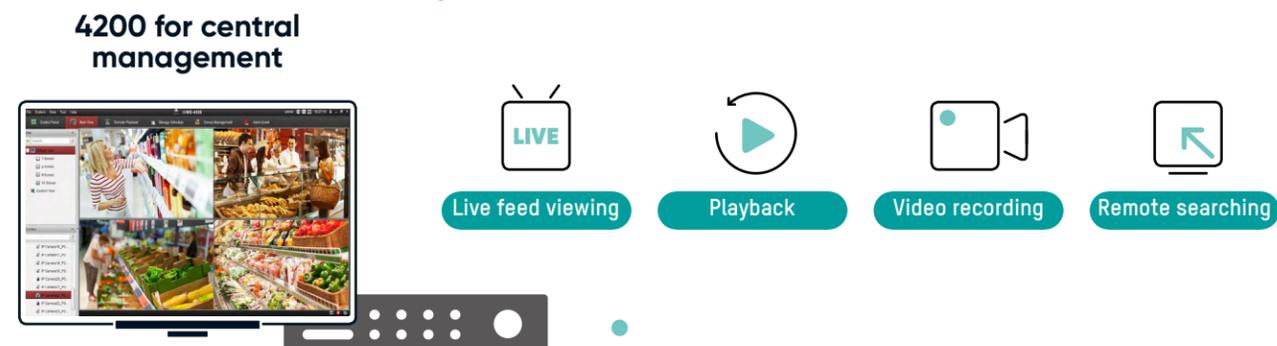
Hik-Connect

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



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.



Superior Storage and Robust Recording

PRODUCT SHOWCASE

DeepinMind Super NVR

iDS-96xxxNXI-I Series

- Supports both facial recognition and false alarm reduction based on deep learning algorithm
- Up to 24/48 channels of facial recognition
- Up to 64 libraries, up to 500,000 face images
- Up to 48/96 channels of video analysis for human and vehicle recognition to reduce false alarms
- Supports multiple VCA events
- Up to 64/128 channels of IP cameras can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 400/512 Mbps incoming bandwidth
- 16/24 HDDs, 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-77/76xxNXI-I Series

- /X: Supports facial recognition, false alarm reduction and video structuralization based on deep learning algorithm (three functions switchable);
- /S: Supports false alarm reduction based on deep learning algorithm
- /F: Supports facial recognition based on deep learning algorithm
- Up to 8/16 channels of facial recognition
- Up to 16/32 libraries, up to 100,000 face images
- Up to 16 channels of video analysis for human and vehicle recognition to reduce false alarms
- Supports multiple VCA events
- Up to 8/16/32 channels of IP cameras can be connected
- Up to 12 MP high-definition live view, storage and playback
- Up to 256/320 Mbps incoming bandwidth
- 2/4 HDDs, 1/2 HDMI and 1 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-96xxNXI-I Series

- /X: Supports facial recognition, false alarm reduction and video structuralization based on deep learning algorithm (three functions switchable);
- /S: Supports false alarm reduction based on deep learning algorithm
- Up to 16 channels of facial recognition
- 32 libraries, up to 100,000 face images
- Up to 16 channels of video analysis for human and vehicle recognition to reduce false alarms
- Supports multiple VCA events
- 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 320 Mbps incoming bandwidth
- 8 HDDs, 2 HDMI and 2 VGA interfaces
- Supports some specialty cameras, including people counting, ANPR, fisheye cameras
- Supports RAID 0, 1, 5, 6, 10 and N+1 hot spare
- Smooth streaming in poor network conditions



DeepinMind NVS

iDS-67xxNXI-I Series

- /F: Supports facial recognition based on deep learning algorithm
- /S: Supports false alarm based on deep learning algorithm
- Up to 8 channels of facial recognition based on deep learning algorithm
- 32 libraries, up to 10,000 face images
- Up to 16 channels of deep learning video analysis for human and vehicle recognition to reduce false alarms
- Supports multiple VCA events
- Up to 8/16 channels of IP cameras 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)
- 16/24 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 N+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 256/320 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 N+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 12 MP high-definition live view, storage and playback
- Up to 12 channels @ 1080p decoding capacity
- Up to 80/160/256 Mbps incoming bandwidth ensures IP cameras can be connected
- VGA and HDMI interfaces support independent video output.
- 2/4 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 8/16 Power-over-Ethernet (PoE) interfaces
- 4 channels of false alarm reduction by human and vehicle target classification based on deep learning



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 16 channels @ 1080p decoding capacity
- Up to 80/160/256 Mbps incoming bandwidth
- ensures IP cameras can be connected
- VGA and HDMI 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.



Pro Series NVR

DS-76/77/86xxNI-K 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 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 (excluding DS-7604NI-K1 (B)); 2HDMI and 2VGA interfaces support independent video output (DS-86xxNI-K8)
- 1/2/4/8 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 4/8/16 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 auto connection



Pro Series NVR

DS-76/77xxNI-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 80/160/200 Mbps incoming bandwidth ensures IP cameras can be connected
- HDMI and VGA interfaces support independent video output (except DS-7604NXI-Q1)
- 1/2/4 HDDs for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 4/8/16 Power-over-Ethernet (PoE) interfaces
- Support Auto connection



Value Series NVR

DS-71xxNI-Q1 Series

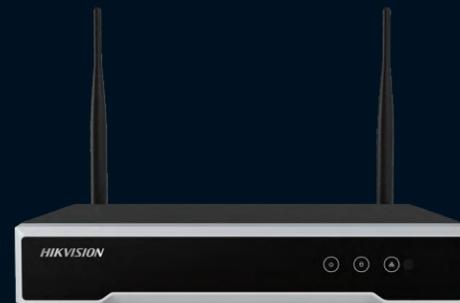
- Up to 4/8 channels of IP cameras can be connected
- Supports decoding H.264, H.264+, H.265, H.265+ video formats
- Up to 6 MP high-definition live view, storage and playback
- Up to 1 channels @ 6 MP / 4 channels @ 1080p decoding capacity
- Up to 40/60 Mbps incoming bandwidth ensures IP cameras can be connected
- HDMI and VGA interfaces support simultaneous video output
- 1 HDD for continuous video recording
- Compatible with third-party network cameras
- Plug & play with 4/8 Power-over-Ethernet (PoE) interfaces
- Support Auto connection



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 1 channel @ 4 MP / 4 channels @ 1080P decoding capacity
- 1 HDD for continuous video recording
- Easy to install through automatic wireless connection
- Easy to manage through Hik-Connect app



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;
- High Reliability, dual board, redundant power supply, RAID
- Easy to Use, all-in-one, pre-installed OS and VMS, flat UI design
- Easy to Extend, extendable storage and license; cascadable



Workstation Ultra Series

DS-9000AI-S16-D

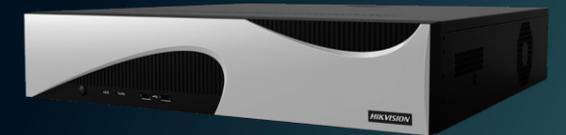
- Ultra series [100,256] -ch, ,Dual board,16 HDD;
- Pre-installed Linux Ubuntu (Win 7, Win 7E, Win 10, Windows Server 2008 R2, Windows Server 2012 R2 can be installed by customers)
- Unique module featuring the strengths of outstanding hardware development
- Configurable alarm I/O and PoE interfaces 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 OEM 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)
- 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 OEM 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)
- 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 OEM service.



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