

# NVR800-A01

## 8-channel 1-disk network video recorder



### Features

#### High performance and flexibility

- 8-channel network video access and 80 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- One SATA port
- Multiple SDC intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 8-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

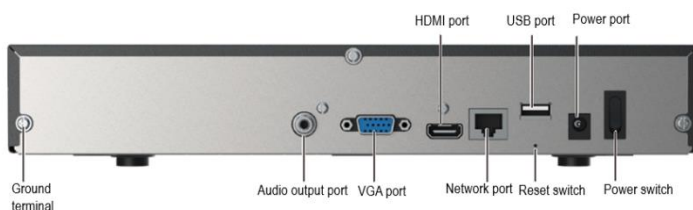
#### Usability and maintenance

- Plug-and-play and automatic configuration discovery
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HUAWEI CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

#### High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

### Physical Ports



### Technical Specifications

Product Model	NVR800-A01
<b>Controllers</b>	
CPU	32-bit multi-core high-performance processor
Memory	4 GB (DDR3)
<b>Performance</b>	
Video input	8 channels, 80 Mbit/s access
Video forwarding	64 Mbit/s
Playback/Download	64 Mbit/s playback
Local decoding	8MP (4K): 1-channel 30 fps; 4MP: 2-channel 30 fps; 2MP (1080p): 4-channel 30 fps The decoding performance deteriorates by 50% when the NVR800 works with Huawei SDCs to enable the AI function.
<b>Decoded video output</b>	
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9 panes
<b>Storage capacity</b>	
Disks	1
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
<b>Recording</b>	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	8-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
<b>Compatibility</b>	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
<b>Management/Maintenance</b>	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
<b>External ports</b>	
Network port	1 x 100/1000 Mbit/s Ethernet port
USB port	2 x USB 2.0 port (one on the front panel and one on the rear panel)
Audio input	N/A
Audio output	1 channel, RCA port
<b>Others</b>	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 3 W (excluding hard disk and PoE output)
Power supply	12 V/2 A
Dimensions	54 mm (H) x 300 mm (W) x 227 mm (D)
Shelf	1 U
Weight	1 kg (excluding hard disks)
<b>Certification</b>	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the Chinese mainland	RoHS and WEEE

# NVR800-A01-4P

## 8-channel 1-disk network video recorder



### Features

#### High performance and flexibility

- 8-channel network video access and 80 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- One SATA port
- Multiple SDC intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 8-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

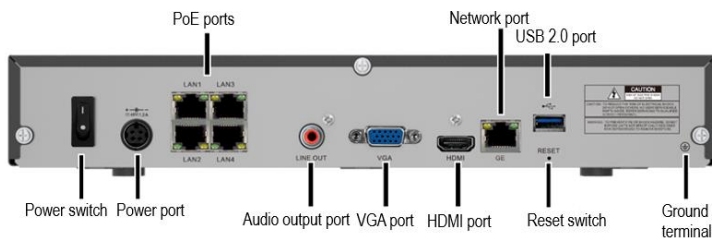
#### Usability and maintenance

- Four built-in PoE network ports; plug-and-play and automatic discovery and configuration
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HUAWEI CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

#### High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

### Physical Ports



### Technical Specifications

Product Model	NVR800-A01-4P
<b>Controllers</b>	
CPU	32-bit multi-core high-performance processor
Memory	4 GB (DDR3)
<b>Performance</b>	
Video input	8 channels, 80 Mbit/s access
Video forwarding	64 Mbit/s
Playback/Download	64 Mbit/s playback
Local decoding	8MP (4K): 1-channel 30 fps; 4MP: 2-channel 30 fps; 2MP (1080p): 4-channel 30 fps The decoding performance deteriorates by 50% when the NVR800 works with Huawei SDCs to enable the AI function.
<b>Video output</b>	
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9 panes
<b>Storage capacity</b>	
Disks	1
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
<b>Recording</b>	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	8-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
<b>Compatibility</b>	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
<b>Management/Maintenance</b>	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
<b>External ports</b>	
Network port	1 x 100/1000 Mbit/s Ethernet port; 4 x PoE port (10/100 Mbit/s Ethernet port)
USB port	2 x USB 2.0 port (one on the front panel and one on the rear panel)
Audio input	N/A
Audio output	1 channel, RCA port
<b>PoE</b>	
Port	4 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 52.5 W
<b>Others</b>	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 5 W (excluding hard disk and PoE output)
Power supply	48 V/1.5 A
Dimensions	54 mm (H) x 300 mm (W) x 227 mm (D)
Shelf	1 U
Weight	1 kg (excluding hard disks)
<b>Certification</b>	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the Chinese mainland	RoHS and WEEE

# NVR800-A02

## 16-channel 2-disk network video recorder



### Features

#### High performance and flexibility

- 16-channel network video access and 168 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- Two SATA ports
- Multiple SDC intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 16-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

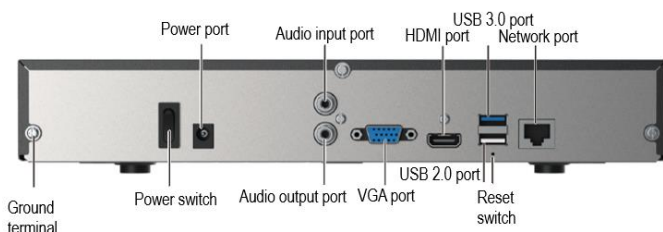
#### Usability and maintenance

- Plug-and-play and automatic configuration discovery
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HUAWEI CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

#### High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

### Physical Ports



### Technical Specifications

Product Model	NVR800-A02
<b>Controllers</b>	
CPU	32-bit multi-core high-performance processor
Memory	8 GB (DDR4)
<b>Performance</b>	
Video input	16 channels, 168 Mbit/s access
Video forwarding	128 Mbit/s
Playback/Download	128 Mbit/s playback
Local decoding	8MP (4K): 2-channel 30 fps; 4MP: 4-channel 30 fps; 2MP (1080p): 8-channel 30 fps The decoding performance deteriorates by 50% when the NVR800 works with Huawei SDCs to enable the AI function.
<b>Video output</b>	
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9/10/12/13/14/16 panes
<b>Storage capacity</b>	
Disks	2
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
<b>Recording</b>	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	16-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
<b>Compatibility</b>	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
<b>Management/Maintenance</b>	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
<b>External ports</b>	
Network port	1 x 10/100/1000 Mbit/s Ethernet port
USB port	3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0 port and one USB 3.0 port on the rear panel)
Audio input	1 channel, RCA port
Audio output	1 channel, RCA port
<b>Others</b>	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 6 W (without disk and PoE output)
Power supply	12 V/5 A
Dimensions	54 mm (H) x 300 mm (W) x 302 mm (D)
Shelf	1 U
Weight	1.3 kg (excluding hard disks)
<b>Certification</b>	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the Chinese mainland	RoHS and WEEE

# NVR800-A02-8P

## 16-channel 2-disk network video recorder



### Features

#### High performance and flexibility

- 16-channel network video access and 168 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- Two SATA ports
- Multiple SDC intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 16-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

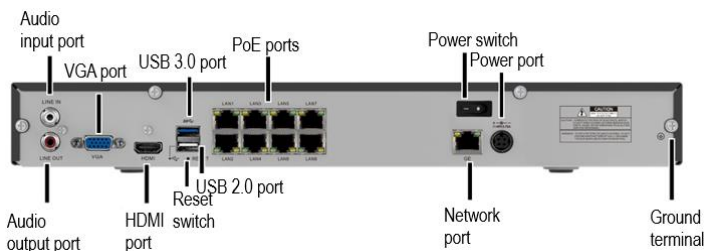
#### Usability and maintenance

- Eight built-in PoE network ports; plug-and-play and automatic discovery and configuration
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HUAWEI CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

#### High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

### Physical Port



### Technical Specifications

Product Model	NVR800-A02-8P
<b>Controllers</b>	
CPU	32-bit multi-core high-performance processor
Memory	8 GB (DDR4)
<b>Performance</b>	
Video input	16 channels, 168 Mbit/s access
Video forwarding	128 Mbit/s
Playback/Download	128 Mbit/s playback
Local decoding	8MP (4K): 2-channel 30 fps; 4MP: 4-channel 30 fps; 2MP (1080p): 8-channel 30 fps
	The decoding performance deteriorates by 50% when the NVR800 works with Huawei SDCs to enable the AI function.
<b>Video output</b>	
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9/10/12/13/14/16 panes
<b>Storage capacity</b>	
Disks	2
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
<b>Recording</b>	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	16-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
<b>Compatibility</b>	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
<b>Management/Maintenance</b>	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
<b>External ports</b>	
Network port	1 x 100/1000 Mbit/s Ethernet port; 8 x PoE port (10/100 Mbit/s Ethernet port)
USB port	3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0 port and one USB 3.0 port on the rear panel)
Audio input	1 channel, RCA port
Audio output	1 channel, RCA port
<b>PoE</b>	
Port	8 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 83 W
<b>Others</b>	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 9 W (excluding hard disk and PoE output)
Power supply	48 V/2 A
Dimensions	54 mm (H) x 300 mm (W) x 302 mm (D)
Shelf	1 U
Weight	2.3 kg (excluding hard disks)
<b>Certification</b>	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the Chinese mainland	RoHS and WEEE

# NVR800-A02-16P

## 16-channel 2-disk network video recorder



### Features

#### High performance and flexibility

- 16-channel network video access and 168 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- Two SATA ports
- Multiple SDC intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 16-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

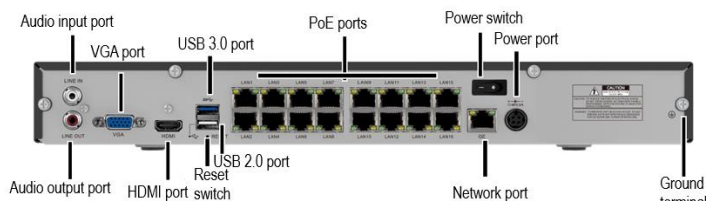
#### Usability and maintenance

- 16 built-in PoE network ports; plug-and-play and automatic discovery and configuration
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HUAWEI CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

#### High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

### Physical Ports



### Technical Specifications

Product Model	NVR800-A02-16P
<b>Controllers</b>	
CPU	32-bit multi-core high-performance processor
Memory	8 GB (DDR4)
<b>Performance</b>	
Video input	16 channels, 168 Mbit/s access
Video forwarding	128 Mbit/s
Playback/Download	128 Mbit/s playback
Local decoding	8MP (4K): 2-channel 30 fps; 4MP: 4-channel 30 fps; 2MP (1080p): 8-channel 30 fps The decoding performance deteriorates by 50% when the NVR800 works with Huawei SDCs to enable the AI function.
<b>Video output</b>	
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9/10/12/13/14/16 panes
<b>Storage capacity</b>	
Disks	2
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
<b>Recording</b>	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	16-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
<b>Compatibility</b>	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
<b>Management/Maintenance</b>	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
<b>External ports</b>	
Network port	1 x 100/1000 Mbit/s Ethernet port; 16 x PoE port (10/100 Mbit/s Ethernet port)
USB port	3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0 port and one USB 3.0 port on the rear panel)
Audio input	1 channel, RCA port
Audio output	1 channel, RCA port
<b>PoE</b>	
Port	16 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 142 W
<b>Others</b>	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 13 W (excluding hard disk and PoE output)
Power supply	48 V/3.75 A
Dimensions	54 mm (H) x 300 mm (W) x 302 mm (D)
Shelf	1 U
Weight	2.3 kg (excluding hard disks)
<b>Certification</b>	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the Chinese mainland	RoHS and WEEE

# NVR800-B04

## 32-channel 4-disk network video recorder



### Features

#### High performance and flexibility

- 32-channel network video access and 320 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- Four SATA ports
- Multiple SDC intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 16-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

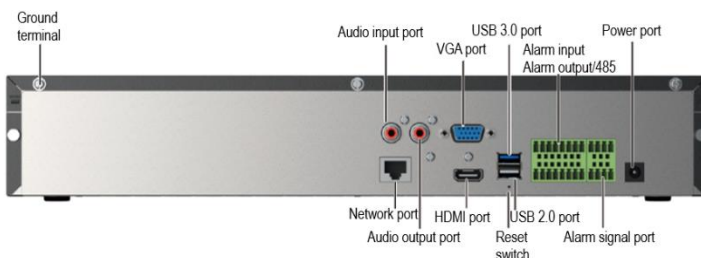
#### Usability and maintenance

- Plug-and-play and automatic configuration discovery
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HUAWEI CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

#### High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

### Physical Ports



### Technical Specifications

Product Model	NVR800-B04
<b>Controllers</b>	
CPU	32-bit multi-core high-performance processor
Memory	16 GB (DDR3)
<b>Performance</b>	
Video input	32 channels, 320 Mbit/s access
Video forwarding	320 Mbit/s
Playback/Download	128 Mbit/s playback
Local decoding	8MP (4K): 4-channel 30 fps; 4MP: 8-channel 30 fps; 2MP (1080p): 16-channel 30 fps
<b>Video output</b>	
HDMI	One HDMI 2.0 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9/10/12/13/14/16/17/19/20/22/25/32 panes
<b>Storage capacity</b>	
Disks	4
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
<b>Recording</b>	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	16-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
<b>Compatibility</b>	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
<b>Management/Maintenance</b>	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
<b>External ports</b>	
Network port	1 x 100/1000 Mbit/s Ethernet port
USB port	3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0 port and one USB 3.0 port on the rear panel)
Serial port	1 x half-duplex RS-485 port
Audio input	1 channel, RCA port
Audio output	1 channel, RCA port
Alarm port	16-channel alarm input, 1-channel alarm output
<b>Others</b>	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 7 W (without hard disk and PoE output)
Power supply	12 V/6 A
Dimensions	66 mm (H) x 378 mm (W) x 326 mm (D)
Shelf	19-inch standard 1.5 U shelf
Weight	2.4 kg (excluding hard disks)
<b>Certification</b>	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the Chinese mainland	RoHS and WEEE

# NVR800-B04-16P

## 32-channel 4-disk network video recorder



### Features

#### High performance and flexibility

- 32-channel network video access and 320 Mbit/s video input
- One HDMI port and one VGA port for simultaneous 4K HD output
- Four SATA ports
- Multiple SDC intelligent capabilities, whitelist-based facial recognition, blacklist-based alert, stranger detection, face search, perimeter detection, regular customer analysis, and attendance taking
- Up to 16-channel simultaneous playback and reverse playback
- Preview, storage, and playback of 4K HD network video
- Playback of video from external USB hard drives
- Search of recordings by time, recording type, bookmark, or AI event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

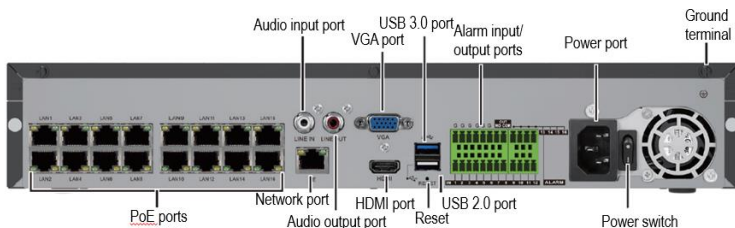
#### Usability and maintenance

- 16 built-in PoE network ports; plug-and-play and automatic discovery and configuration
- Adaptive access to H.265 and H.264 cameras
- Access to the platform and mobile apps using HUAWEI CLOUD protocols
- Quick device registration and access using QR codes
- User-friendly UI
- Centralized camera management: setting camera parameters, importing and exporting information, enabling voice intercom, and batch upgrading
- Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage

#### High security and reliability

- Locks important recording files.
- Uses the embedded Linux operating system to ensure 24/7 stable running, protecting the system from hacker attacks and viruses.

### Physical Ports



### Technical Specifications

Product Model	NVR800-B04-16P
<b>Controllers</b>	
CPU	32-bit multi-core high-performance processor
Memory	16 GB (DDR3)
<b>Performance</b>	
Video input	32 channels, 320 Mbit/s access
Video forwarding	320 Mbit/s
Playback/Download	128 Mbit/s playback
Local decoding	8MP (4K): 4-channel 30 fps; 4MP: 8-channel 30 fps; 2MP (1080p): 16-channel 30 fps
<b>Video output</b>	
HDMI	One HDMI 2.0 port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160
VGA	One VGA port; resolutions: 1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080
Preview	1/4/6/8/9/10/12/13/14/16/17/19/20/22/25/32 panes
<b>Storage capacity</b>	
Disks	4
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
<b>Recording</b>	
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms
Recording playback	16-channel simultaneous playback; controls: fast forward (2x, 4x, 8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
Download mode	In batches or by segment
<b>Compatibility</b>	
Video format	H.264/H.265
Audio format	G.711a/G.711u
Network protocols	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
<b>Management/Maintenance</b>	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage
<b>External ports</b>	
Network port	1 x 100/1000 Mbit/s Ethernet port; 16 x PoE port (10/100 Mbit/s Ethernet port)
USB port	3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0 port and one USB 3.0 port on the rear panel)
Serial port	1 x half-duplex RS-485 port
Audio input	1 channel, RCA port
Audio output	1 channel, RCA port
Alarm port	16-channel alarm input, 1-channel alarm output
<b>PoE</b>	
Port	16 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 200 W
<b>Others</b>	
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	≤ 16 W (excluding hard disk and PoE output)
Power supply	Input: 100–240 V AC, 47–63 Hz; output 1: 12 V DC/5 A (peak: 6 A); output 2: 52 V DC/2.5 A
Dimensions	66 mm (H) x 378 mm (W) x 326 mm (D)
Shelf	1.5 U
Weight	3.4 kg (excluding hard disks)
<b>Certification</b>	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the Chinese mainland	RoHS and WEEE