

# 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.

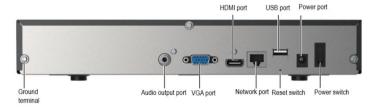
#### Usability and maintenance

- 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**



rechnical 5	Technical Specifications		
Product Model	NVR800-A01		
Controllers			
CPU	32-bit multi-core high-performance processor		
Memory	4 GB (DDR3)		
Performance Video input	8 channels, 80 Mbit/s access		
Video Input 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.		
Decoded video or			
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x		
VGA	1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160 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		
Storage capacity			
Disks	1		
Disk port	SATA2.0		
Disk type	4TB/6TB/8TB per port		
Recording	Manual recording pehadulad repording motion detection triggered		
Recording mode	Manual recording, scheduled recording, motion detection-triggered recording, and recording triggered by I/O alarms		
Recording	8-channel simultaneous playback; controls: fast forward (2x, 4x, 8x,		
playback	or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)		
Search mode Download mode	By time, recording type, or AI event In batches or by segment		
Compatibility	in batches of by segment		
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 CLOUD services	Huawei SDK and ONVIF Access to HUAWEI CLOUD services and remote access through mobile apps		
Web access	Compatible with Internet Explorer 9, 10, and 11		
Management/Mai			
Management	Web and LDU		
mode			
Log download	Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log storage		
External ports			
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		
Others 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)		
Certification			
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.

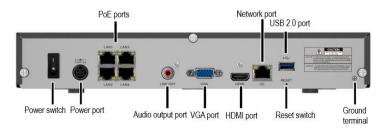
#### Usability and maintenance

- 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 Ul
- 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**



Product Model	NVR800-A01-4P
Controllers	20 bit mouth as as high as 1
CPU	32-bit multi-core high-performance processor
Memory	4 GB (DDR3)
Performance	
Video input	8 channels, 80 Mbit/s access
Video forwarding	64 Mbit/s
Playback/Download	164 Mbit/s playback
	8MP (4K): 1-channel 30 fps; 4MP: 2-channel 30 fps;
Local decoding	2MP (1080p): 4-channel 30 fps The decoding performance deteriorates by 50% when the NVR800 works with Huawei SDCs to enable the Al function.
Video output	INVICOOU WORKS WITH HUAWEI SDOS TO EHABIE THE AFTURICTION.
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x
VGA	1024, 1440 x 900, 1920 x 1080, 2560 x 1440, 3840 x 2160 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
Storage capacity	
Disks Disk part	1
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
Recording	Manual recording cohert ded assessing a Control
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, $^4$ 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
Compatibility	
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	Access to HUAWEI CLOUD services and remote access
services	through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
Management/Main	tenance
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
External ports	1 v 100/1000 Mhit/s Ethornot part: 4 v BaE part (40/400 Mhit/s
Network port	1 x 100/1000 Mbit/s Ethernet port; 4 x PoE port (10/100 Mbit/s Ethernet port) 2 x USB 2.0 port (one on the front panel and one on the rear
USB port	panel)
Audio input	N/A
Audio output	1 channel, RCA port
Audio output PoE	1 channel, RCA port
<b>PoE</b> Port	4 x 10/100 Mbit/s Ethernet port
PoE Port Standards	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at
PoE Port Standards Output power	4 x 10/100 Mbit/s Ethernet port
PoE Port Standards Output power Others	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W
PoE Port Standards Output power Others Operating temperature	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C
PoE Port Standards Output power Others Operating	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C
PoE Port Standards Output power Others Operating temperature Operating humidity	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C
PoE Port Standards Output power Others Operating temperature Operating humidity Power consumption	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C 20% to 90%
PoE Port Standards Output power Others Operating temperature Operating humidity	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C  20% to 90% ≤ 5 W (excluding hard disk and PoE output)
PoE Port Standards Output power Others Operating temperature Operating humidity Power consumption Power supply Dimensions	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C  20% to 90% ≤ 5 W (excluding hard disk and PoE output) 48 V/1.5 A  54 mm (H) x 300 mm (W) x 227 mm (D)
PoE Port Standards Output power Others Operating temperature Operating humidity Power consumption Power supply Dimensions Shelf	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C 20% to 90% ≤ 5 W (excluding hard disk and PoE output) 48 V/1.5 A  54 mm (H) x 300 mm (W) x 227 mm (D) 1 U
PoE Port Standards Output power Others Operating temperature Operating humidity Power consumptior Power supply Dimensions Shelf Weight	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C  20% to 90% ≤ 5 W (excluding hard disk and PoE output) 48 V/1.5 A  54 mm (H) x 300 mm (W) x 227 mm (D)
PoE Port Standards Output power Others Operating temperature Operating humidity Power consumption Power supply Dimensions Shelf	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C 20% to 90% ≤ 5 W (excluding hard disk and PoE output) 48 V/1.5 A 54 mm (H) x 300 mm (W) x 227 mm (D) 1 U 1 kg (excluding hard disks)
PoE Port Standards Output power Others Operating temperature Operating humidity Power consumptior Power supply Dimensions Shelf Weight	4 x 10/100 Mbit/s Ethernet port IEEE802.3af/at ≤ 52.5 W  0°C to 45°C 20% to 90% ≤ 5 W (excluding hard disk and PoE output) 48 V/1.5 A  54 mm (H) x 300 mm (W) x 227 mm (D) 1 U



# 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.

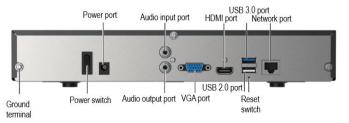
#### Usability and maintenance

- 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**



Product Model	NVR800-A02
Controllers	
CPU	32-bit multi-core high-performance processor
Memory	8 GB (DDR4)
Performance	
Video input	16 channels, 168 Mbit/s access
Video forwarding	128 Mbit/s
Playback/Download	128 Mbit/s playback
	8MP (4K): 2-channel 30 fps; 4MP: 4-channel 30 fps;
Local decoding	2MP (1080p): 8-channel 30 fps
Local accounty	The decoding performance deteriorates by 50% when the
	NVR800 works with Huawei SDCs to enable the Al function.
Video output	
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
Storage capacity	1/4/0/0/9/10/12/13/14/10 panes
Disks	2
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
Recording	
_	Manual recording, scheduled recording, motion detection-
Recording mode	triggered recording, and recording triggered by I/O alarms
	16-channel simultaneous playback; controls: fast forward (2x, 4x,
Recording playback	8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode	By time, recording type, or AI event
	by time, recording type, or 7th event
Download mode	In batches or by segment
Compatibility	
Video format	H.264/H.265
Audio format	G.711a/G.711u
	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and
Network protocols	DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD	Access to HUAWEI CLOUD services and remote access through
services	mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
Management/Mainte	
Management mode	Web and LDU
Log download	Log functions: operation logs, system logs, alarm logs, parameter
Log download	modification logs, recording logs, intelligent log check, and log storage
External ports	otorago
Network port	1 x 10/100/1000 Mbit/s Ethernet port
·	3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0
USB port	port and one USB 3.0 port on the rear panel)
Audio input	1 channel, RCA port
Audio output	1 channel, RCA port
Others	
Operating	0°C to 45°C
temperature	0 0 10 40 0
Operating humidity	20% to 90%
Power consumption	≤ 6 W (without disk and PoE output)
Power supply	12 V/5 A
Dimensions	54 mm (L) v 300 mm (M) v 303 mm (D)
	54 mm (H) x 300 mm (W) x 302 mm (D)
Shelf	1 U
Weight	1.3 kg (excluding hard disks)
Certification	
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air
	Transport of Goods
Outside the Chinese mainland	RoHS and WEEE
mainiana	



# 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 Al event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

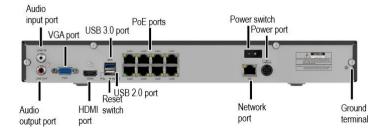
#### Usability and maintenance

- 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 Ul
- 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**



rechnical	Specifications
Product Model	NVR800-A02-8P
Controllers	
CPU	32-bit multi-core high-performance processor
Memory	8 GB (DDR4)
Performance	
Video input	16 channels, 168 Mbit/s access
Video forwarding	128 Mbit/s
Playback/Download	1128 Mbit/s playback 8MP (4K): 2-channel 30 fps; 4MP: 4-channel 30 fps;
	2MP (1080p): 8-channel 30 fps
Local decoding	The decoding performance deteriorates by 50% when the
	NVR800 works with Huawei SDCs to enable the Al function.
Video output	
HDMI	One HDMI 1.4 port; resolutions: 1024 x 768, 1280 x 720, 1280 x
וואוטח	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
Storage capacity	0
Disks Disk port	2 SATA2.0
Disk port Disk type	4TB/6TB/8TB per port
Recording	TIDIOTOTO PEI POIL
	Manual recording, scheduled recording, motion detection-
Recording mode	triggered recording, and recording triggered by I/O alarms
	16-channel simultaneous playback; controls: fast forward (2x, 4x,
Recording playback	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
Compatibility	zatorios or zy oogom
Video format	H.264/H.265
Audio format	G.711a/G.711u
	TCP, UDP, RTP, RTSP, HTTP, DNS, SNMP, NTP, SMTP, and
Network protocols	DHCP
Device access	Huawei SDK and ONVIF
HUAWEI CLOUD services	Access to HUAWEI CLOUD services and remote access through
Web access	mobile apps Compatible with Internet Explorer 9, 10, and 11
Management/Main	·
Management mode	
	Log functions: operation logs, system logs, alarm logs,
Log download	parameter modification logs, recording logs, intelligent log check,
	and log storage
External ports	
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 and USB 3.0 port on the grant panel)
Audio input	port and one USB 3.0 port on the rear panel)  1 channel, RCA port
Audio input Audio output	1 channel, RCA port
PoE	r channel, NoA port
Port	8 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 83 W
Others	
Operating	0°C to 45°C
temperature	
Operating humidity	
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)
Certification	5 (2
Chinese mainland	CCC, CQC, and Identification and Classification Report for Air Transport of Goods
Outside the	RoHS and WEEE
Chinese mainland	



# 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 Al event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

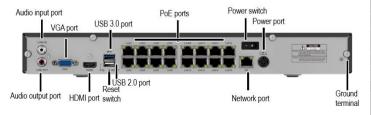
#### Usability and maintenance

- 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 Ul
- 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**



Product Model	NVR800-A02-16P
Controllers	
CPU	32-bit multi-core high-performance processor
Memory	8 GB (DDR4)
Performance	
Video input	16 channels, 168 Mbit/s access
Video forwarding	128 Mbit/s
Playback/Download	128 Mbit/s playback
,	8MP (4K): 2-channel 30 fps; 4MP: 4-channel 30 fps; 2MP (1080p): 8-channel 30 fps
Local decoding	The decoding performance deteriorates by 50% when the NVR800 works with Huawei SDCs to enable the Al function.
Video output	
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
Storage capacity	
Disks	2
Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
Recording	
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
Compatibility	, ,
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	Access to HUAWEI CLOUD services and remote access
services	through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
Management/Maintena	nce
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
External ports	
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 PoE	1 channel, RCA port
Port	16 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power	≤ 142 W
Others	
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)
Certification	
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 Al event
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

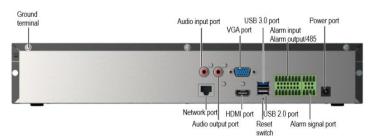
#### Usability and maintenance

- 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**



Product Model	
Product Model Controllers	NVR800-B04
CPU	32-bit multi-core high-performance processor
Memory	16 GB (DDR3)
Performance	
Video input	32 channels, 320 Mbit/s access
Video forwarding	320 Mbit/s
Playback/Download	128 Mbit/s playback 8MP (4K): 4-channel 30 fps; 4MP: 8-channel 30 fps;
Local decoding	2MP (1080p): 16-channel 30 fps
Video output	
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
Storage capacity Disks	4
Disks Disk port	SATA2.0
Disk type	4TB/6TB/8TB per port
Recording	
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 Compatibility	In batches or by segment
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 CLOUD services	Huawei SDK and ONVIF Access to HUAWEI CLOUD services and remote access through mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
Management/Mainte 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
External ports	
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 Audio output	1 channel, RCA port 1 channel, RCA port
Alarm port	16-channel alarm input, 1-channel alarm output
Others	,
Operating	0°C to 45°C
temperature	
Operating humidity Power consumption	20% to 90% ≤ 7 W (without hard disk and PoE output)
Power consumption Power supply	12 V/6 A
Dimensions	
0. 16	66 mm (H) x 378 mm (W) x 326 mm (D)
Shelf	19-inch standard 1.5 U shelf
Weight Certification	2.4 kg (excluding hard disks)
	CCC, CQC, and Identification and Classification Report
Chinese mainland	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
- 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 Al
- Two storage modes: disk quota and disk group. Each channel has their own recording storage capacity or period.

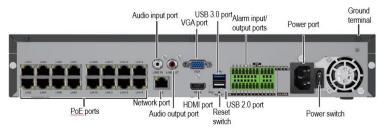
#### Usability and maintenance

- 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 Spe	
Product Model Controllers	NVR800-B04-16P
CPU	32-bit multi-core high-performance processor
Memory	16 GB (DDR3)
Performance	22 shannels 220 Mhit/s seeses
Video input Video forwarding	32 channels, 320 Mbit/s access 320 Mbit/s
	128 Mbit/s playback
Local decoding	8MP (4K): 4-channel 30 fps; 4MP: 8-channel 30 fps;
Video output	2MP (1080p): 16-channel 30 fps
The Carpar	One HDMI 2.0 port; resolutions: 1024 x 768, 1280 x 720, 1280 x
HDMI	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
Storage capacity	,
Disks	4
Disk port Disk type	SATA2.0 4TB/6TB/8TB per port
Recording	41B/01B/01B per port
	Manual recording, scheduled recording, motion detection-
Recording mode	triggered recording, and recording triggered by I/O alarms 16-channel simultaneous playback; controls: fast forward (2x, 4x,
Recording playback	8x, or 16x) and slow-down (1/16x, 1/8x, 1/4x, or 1/2x)
Search mode Download mode	By time, recording type, or AI event In batches or by segment
Compatibility	in batches of by segment
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	Access to HUAWEI CLOUD services and remote access through
services	mobile apps
Web access	Compatible with Internet Explorer 9, 10, and 11
Management/Maint	
Management mode  Log download	Web and LDU Log functions: operation logs, system logs, alarm logs, parameter modification logs, recording logs, intelligent log check, and log
External ports	storage
· ·	1 x 100/1000 Mbit/s Ethernet port; 16 x PoE port (10/100 Mbit/s
Network port	Ethernet port)  3 x USB ports (one USB 2.0 port on the front panel; one USB 2.0
USB port	port and one USB 3.0 port on the rear panel)
Serial port	1 x half-duplex RS-485 port
Audio input Audio output	1 channel, RCA port 1 channel, RCA port
Alarm port	16-channel alarm input, 1-channel alarm output
PoE	
Port	16 x 10/100 Mbit/s Ethernet port
Standards	IEEE802.3af/at
Output power Others	≤ 200 W
Operating temperature	0°C to 45°C
Operating humidity	20% to 90%
Power consumption	. ,
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)
Certification	
01:	CCC, CQC, and Identification and Classification Report for Air
Chinese mainland Outside the Chinese	Transport of Goods