

Network Video Recorders

32/64/128/256-Channel, PoE & No PoE, 4K NVRs



Overview

With SATA 3.5" HDD interfaces, network video recorders (NVRs) can record videos from connected cameras, and the storage can be expanded by adding or replacing the hard disk. A variety of monitoring methods, including a web browser, monitoring software and mobile App, are available to manage your cameras and NVRs easily.

Ideal for small and medium enterprises, education institutions, hotels and other applications. It features an open architecture that supports for multi-user access, enabling interoperability with IP cameras.

Benefits

- Up to 32/64/128/256 Channels
- PoE & No PoE
- Support Ultra 265, H.265, H.264 video formats
- Supports Third-party Cameras
- Up to 4K HD Live View, Storage and Playback

Technical Specification

PoE Network Video Recorders

NVR204-32C-16P-V2

Video/Audio Input	
IP Video Input	32-ch
Two-way Audio Input	1-ch, RCA
Network	
Incoming Bandwidth	320Mbps
Outgoing Bandwidth	320Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS
Browser	IE(IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome(version 45 and above) for Windows Edge(version 79 and above) for Windows
Video/Audio Output	
HDMI Output	4K (3840x 2160)/30Hz, 1920x 1080p/60Hz, 1920x 1080p/50Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz
VGA Output	1920x 1080p/60Hz, 1920x 1080p/50Hz, 1600x 1200/60Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Audio Output	1-ch, RCA
Audio Compression	G.711A, G.711U
Synchronous Playback	16-ch
Live View Display	1/4/6/8/9/16/25/36
Corridor Mode Screen	3/4/5/7/9/10/12/16/32
Snapshot	
FTP/Schedule/Event Snapshot	16-ch snapshot, up to 1080P resolution
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Live View/Playback	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Capability	1x 12MP@30, 2x 4K@30, 5x 4MP@30, 10x 1080P@30, 22x 720P@30, 32x D1
Hard Disk	
SATA	4 SATA interfaces
Capacity	Up to 10TB for each HDD (The maximum HDD capacity varies with environment temperature)
eSATA	NA

Technical Specification

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NVR204-32C-16P-V2

Hard Disk	
Disk Group	Support
RAID	RAID 1,5
Smart	
VCA Detection by Camera	Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking
VCA Search	Behavior Search, Vehicle Search
People Counting	People Flow Counting, Crowd Density Monitoring
Smart Intrusion Prevention (SIP), Vehicle Detection by Camera	Total 8-ch
General Alarm	
General Alarm	Motion, Tampering, Human Body Detection, Video Loss, Input Alarm, Audio Detection
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal
External Interface	
Network Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interfaces
USB Interface	Front panel: 1x USB2.0, Rear panel: 1x USB3.0
RS232	NA
RS485	1
Alarm In	16-ch
Alarm Out	4-ch
PoE	
Interface	16 RJ-45 10M/100M self-adaptive Ethernet Interface
Max Power	Max 30W for single port Max 150W in total
Supported Standard	IEEE 802.3af/at
General	
Power Supply	100~240V AC Power Consumption: ≤ 20 W (without HDD)
Working Environment	-10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing)
Dimensions (W×D×H)	400mm× 363mm× 74mm (15.7"× 14.3"× 2.9")
Weight (without HDD)	≤4Kg (8.82lb)

Technical Specification

No PoE Network Video Recorders

	NVR204-32C	NVR308-64C	NVR716-128C	NVR724-256C
Video/Audio Input				
IP Video Input	32-ch	64-ch	128-ch	256-ch
Two-way Audio Input	1-ch, RCA	1-ch, RCA	1-ch, BNC	1-ch, RCA
Network				
Incoming Bandwidth	320Mbps	320Mbps	512Mbps	768Mbps
Outgoing Bandwidth	320Mbps	160Mbps	384Mbps	768Mbps
Remote Users	128	128	128	256
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP	P2P, UPnP, NTP, DHCP, PPPoE	
Browser	IE(IE10/11) for Windows Firefox (version 52.0 and above) for Windows Chrome(version 45 and above) for Windows Edge(version 79 and above) for Windows		--	--
Video/Audio Output				
HDMI Output	4K (3840x 2160)/30Hz, 1920x 1080p/60Hz, 1920x 1080p/50Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz	4K (3840x 2160)@30, 1920x 1080p@60, 1920x 1080p@50, 1600x 1200@60, 1280x 1024@60, 1280x 720@60, 1024x 768@60	HDMI1/HDMI2 (HDMI audio output is not supported): 4K (3840x 2160)/30Hz, 1920x 1080p/60Hz, 1920x 1080p/50Hz, 1600x 1200/60Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz	HDMI1/HDMI2: 4K (3840x 2160)/30Hz, 1920x 1080p/60Hz, 1920x 1080p/50Hz, 1600x 1200/60Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz
VGA Output	1920x 1080p/60Hz, 1920x 1080p/50Hz, 1600x 1200/60Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz	1920x 1080p@60, 1920x 1080p@50, 1280x 1024@60, 1600x 1200@60, 1280x 720@60, 1024x 768@60	1920x 1080p/60Hz, 1920x 1080p/50Hz, 1600x 1200/60Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz	1920x 1080p/60Hz, 1920x 1080p/50Hz, 1600x 1200/60Hz, 1280x 1024/60Hz, 1280x 720/60Hz, 1024x 768/60Hz
Recording Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF			
Audio Output	1-ch, RCA	1-ch, RCA	1-ch, BNC	1-ch, RCA
Audio Compression	G.711A, G.711U	G.711A, G.711U	--	--
Synchronous Playback	16-ch			
Live View Display	1/4/6/8/9/16/25/36	Simultaneous Output: VGA: 1/4/6/8/9/16/25/36/64 HDMI: 1/4/6/8/9/16/25/36/64 Independent Output: VGA: 1/4/6/8/9/16/25/32 HDMI: 1/4/6/8/9/16/25/32	--	--
Corridor Mode Screen	3/4/5/7/9/10/12/16/32			

Technical Specification

No PoE Network Video Recorders

	NVR204-32C	NVR308-64C	NVR716-128C	NVR724-256C
Snapshot				
FTP/Schedule/Event Snapshot	16-ch snapshot, up to 1080P resolution	4-ch snapshot, up to D1 resolution	--	--
Decoding				
Decoding Format	Ultra 265, H.265, H.264			
Live View/Playback	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF			
Capability	1x 12MP@30, 2x 4K@30, 5x 4MP@30, 10x 1080P@30, 22x 720P@30, 32x D1	Ultra 265/H.265: 2x 12MP@30, 4x 4K@30, 6x 5MP@30, 8x 4MP@30, 10x 3MP@30, 16x 1080p@30, 32x 960p@25, 36x 720p@30, 64x D1 H.264: 2x 12MP@30, 2x 4K@30, 4x 5MP@30, 6x 4MP@30, 8x 3MP@30, 14x 1080p@30, 28x 960p@25, 30x 720p@30, 64x D1	4x 12MP@20, 4x 4K@30, 16x 1080p@30, 36x 720p@30, 64x D1	5x 4K@30, 20x 1080P@30, 24x 1080P@25, 40x 960P@25, 45x 720P@30, 54x 720P@25, 96x D1
Hard Disk				
SATA	4 SATA interfaces	8 SATA interfaces	16 SATA interfaces	24 SATA interfaces
Capacity	Up to 8TB for each disk (The maximum HDD capacity varies with environment temperature)	Up to 12TB for each disk	up to 10TB for each HDD	
Extension board	--	--	--	4
eSATA	NA	--	1 eSATA interface	1 eSATA interface
miniSAS	--	--	2 miniSAS ports	2 miniSAS ports
Disk Group	Support		--	--
RAID	RAID 1,5	--	--	--
Disk Array				
Array Type	--	--	RAID 0/1/5/6/10/50/60	RAID 0/1/5/6/10/50/60
Smart				
VCA Detection by Camera	Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking	Face Detection, Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, UMD(Ultra Motion Detection)	--	Face detection, Intrusion detection, Cross line detection, Audio detection, Defocus detection, Scene change detection, Auto tracking
VCA Search	Behavior Search, Vehicle Search	Face Search Behavior Search, People Counting Report, Vehicle Search	--	Face search, Behavior search

Technical Specification

No PoE Network Video Recorders

	NVR204-32C	NVR308-64C	NVR716-128C	NVR724-256C
Smart				
People Counting	People Flow Counting, Crowd Density Monitoring		--	--
Smart Intrusion Prevention (SIP), Vehicle Detection by Camera	Total 8-ch		--	--
General Alarm				
General Alarm	Motion, Tampering, Human Body Detection, Video Loss, Input Alarm, Audio Detection		--	--
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal		--	--
External Interface				
Network Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interfaces	2 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	4 RJ-45 10M/100M/1000M adaptive Ethernet Interface 2 1000M SFP Ethernet Interface	4 RJ-45 10M/100M/1000M adaptive Ethernet Interface
Serial Interface	--	--	1x RS232, 1x RS485	1x RS232, 1x RS485
USB Interface	Front panel: 1x USB2.0, Rear panel: 1x USB3.0	Front: 2x USB2.0, Rear panel: 1x USB3.0	Rear panel: 4x USB3.0	Front panel: 2x USB2.0, Rear panel: 2x USB3.0
RS232	NA	NA	--	--
RS485	1	1	--	--
Alarm In	16-ch	16-ch	24-ch	24-ch
Alarm Out	4-ch	4-ch	8-ch	8-ch
Decoding Card (optional)	--	--	2 slots (4-ch HDMI or 6-ch HDMI outputs per card)	--
Power Output	--	--	12V	12V
General				
Power Supply	12V DC/5A Power Consumption: ≤ 12 W (without HDD)	100~240V AC Power Consumption: ≤ 32W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 50 W (without HDD)	100 ~ 240V AC Power Consumption: ≤ 70 W (without HDD)
Working Environment	-10°C~+ 55°C (+14°F~+131°F), Humidity ≤ 90% RH (non-condensing)			
Chassis	--	--	19-inch rack-mounted 3U chassis	--
Dimensions (W×D×H)	440mm× 344mm× 48mm (17.3"× 13.5"× 1.9")	442mm× 426mm× 89mm (17.4"× 16.8"× 3.5")	482mm× 477mm× 131mm (18.8"× 19.0"× 5.1")	533mm× 484.6mm× 175.5mm (21.0"× 19.1"× 6.9")
Weight (without HDD)	≤3Kg (6.61lb)	≤ 4Kg (8.80lb)	≤ 10 Kg (22.05 lb)	≤ 12.5 Kg (27.56 lb)

Ordering Information

ID	Description
#174016	NVR204-32C-16P-V2, 32-Channel 16-Port PoE Network Video Recorder, Record 32CH 4K@30fps, Live View/Playback 2CH 4K@30fps, Supports up to 4x 10TB Hard Drive (Not Included)
#174017	NVR204-32C, 32-Channel Network Video Recorder, Record 32CH 4K@30fps, Live View/Playback 2CH 4K@30fps, Supports up to 4x 8TB Hard Drive (Not Included)
#174018	NVR308-64C, 64-Channel Network Video Recorder, Record 64CH 4K@30fps, Live View/Playback 4CH 4K@30fps, Supports up to 8x 12TB Hard Drive (Not Included)
#174019	NVR716-128C, 128-Channel Network Video Recorder, Record 128CH 4K@30fps, Live View/Playback 4CH 4K@30fps, Supports up to 16x 10TB Hard Drive (Not Included)
#174020	NVR724-256C, 256-Channel Network Video Recorder, Record 256CH 4K@30fps, Live View/Playback 5CH 4K@30fps, Supports up to 24x 10TB Hard Drive (Not Included)