

Network Video Recorders

8/9/16/-Channel, PoE & No PoE, 4K NVRs



Overview

The 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.

Featuring power-over-ethernet (PoE) ports, PoE NVRs can transfer power and video signal to cameras through a single network cable, ideal for retail, banks, education institutions, hotels and other applications.

Benefits

- Up to 8/9/16 Channels
- PoE & No PoE
- H.265+/H.265/H.264
- Supports Third-party Cameras
- Up to 4K HD Live View, Storage and Playback

Technical Specification

PoE Network Video Recorders

	NVR101-8C-8P	NVR102-8C-8P	NVR102-16C-16P
Video / Audio Input			
IP Video Input	8-ch	8-ch	16-ch
Two-way Audio Input	-	1-ch,RCA	
Video / Audio Output			
HDMI Output	4K (3840x2160) @ 30, 1920x1080 @ 60, 1920x1080 @ 50, 1600x1200 @ 60, 1280x1024 @ 60, 1280x720 @ 60, 1024x768 @ 60		
VGA Output	1920x1080@ 60,1920x1080@ 50, 1600x1200@ 60,1280x1024@ 60, 1280x720@ 60,1024x768@ 60	1920X1080@60,1920X1080@50, 1280X1024@60,1280X720@60,1024X768@60	
Recording Resolution	8MP/ 6MP/ 5MP/ 4MP/ 3MP/ 1080p/ 960p/ 720p/ D1/ 2CIF/ CIF		
Audio Output	1-ch, RCA		
Synchronous Playback	8-ch	8-ch	16-ch
Corridor Mode Screen	3/4/5/7/9		3/4/5/7/9/10/12/16
Audio Compression	G.711A,G.711U		
Live View Display	1/4/6/8/9		1/4/6/8/9/16
Network			
Incoming Bandwidth	64Mbps	80Mbps	160Mbps
Outgoing Bandwidth	48Mbps	64Mbps	
Remote Users	128		
Protocols	TCP/IP,P2P,UPnP,NTP,DHCP,PPPoE,HTTP,HTTPS,DNS,DDNS,SMTP,RTSP	TCP/IP,P2P,UPnP,NTP,DHCP,PPPoE,HTTP,HTTPS,DNS,DDNS,SMTP,SNMP	
Browser	-	IE(IE10/11) for Windows; Firefox(version52.0 and above) for Windows; Chrome(version 45 and above)for Windows; Edge(version 79 and above) for Windows;	
Decoding			
Decoding Format	H.265+/H.265/H.264		
Capability	1x4K@30,4x5MP@25,4x4MP@25,4x3MP@25,4x1080p@30,8x720p@30	2x4K@30,4x4MP@30,5x3MP@30,8x1080P@30	2x4K@30,4x4MP@30,5x3MP@30,8x1080P@30,16x720P@30
Live View/Playback	4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF	
Hard Disk			
SATA Interface	1	2	2
Capacity	Up to 8TB for each disk		Up to 10TB for each disk

Technical Specification

PoE Network Video Recorders

	NVR101-8C-8P	NVR102-8C-8P	NVR102-16C-16P
Smart			
VCA Detection	Face Detection, Intrusion Detection, CrossLine Detection, Enter Area, Leave Area, Audio Detection	Intrusion Detection, CrossLine Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking	
VCA Search	Face Search, Behavior Search	Behavior Search	
SIP	4-ch(supports channel 1-4; Alarmonly, no image)	8-ch	
People Counting	-	People Flow Counting, Crowd Density Monitoring	
PoE			
Interface	8 RJ-45 10M/100Mself-adaptive Ethernet Interface	8 RJ-45 10M/100M self-adaptive Ethernet Interface	16 RJ-45 10M/100M self-adaptive Ethernet Interface
Max Power for Single Port	30W	30W	30W
Max Power in Total	75W	130W	240W
Supported Standard	IEEE802.3at,IEEE802.3af	IEEE 802.3af/at	
External Interface			
Network Interface	1RJ-4510M/100Mself-adaptive Ethernet Interface	1 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	
USB Interface	Rearpanel:2xUSB2.0	Front panel: 1 x USB2.0, Rear panel: 1 x USB3.0	
RS232/RS485	-	-	-
Alarm In	-	4-ch	
Alarm Out	-	1-ch	
General			
Power Supply	52V DC	100 ~ 240 V AC	
Power Consumption (without HDD)	≤ 9W	≤ 10W	
Dimensions (Hx Wx D)	1.8"x 10.2"x 8.5" (47x 260x 215mm)	2.1"x 14.9"x 12.4" (53x 380x 315mm)	
Weight	≤2.43lb (1.1kg)	≤5.73lb (2.6kg)	
Operating Temperature	14°F to 131°F (-10°C to 55°C)		
Operating Humidity	≤ 90% RH (Non-condensing)		
Warranty	2 Years		
Snapshot			
FTP/Schedule/Event Snapshot	1-ch snapshot, up to D1 resolution	4-ch snapshot, up to D1 resolution	
General Alarm			
General Alarm	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal		

Technical Specification

PoE Network Video Recorders

Ordering Information

ID	Description
176664	NVR101-8C-8P, 8-Channel 8-Port PoE Network Video Recorder, Record 8CH 4K@30fps, Live View/Playback 1CH 4K@30fps, Supports up to 1x8TB Hard Drive(Not Included)
176668	NVR102-8C-8P, 8-Channel 8-Port PoE Network Video Recorder, Record 8CH 4K@30fps, Live View/Playback 2CH 4K@30fps, Supports up to 2x10TB Hard Drive(Not Included)
176669	NVR102-16C-16P, 16-Channel 16-Port PoE Network Video Recorder, Record 16CH 4K@30fps, Live View/Playback 2CH 4K@30fps, Supports up to 2x10TB Hard Drive(Not Included)

Technical Specification

No PoE Network Video Recorders

	NVR101-8C	NVR102-9C	NVR102-16C
Video / Audio Input			
IP Video Input	8-ch	9-ch	16-ch
Two-way Audio Input	-	1-ch, RCA	
Video / Audio Output			
HDMI Output	4K (3840x2160) @ 30fps, 1920x1080 @ 60fps, 1920x1080 @ 50fps, 1600x1200 @ 60fps, 1280x1024 @ 60fps, 1280x720 @ 60fps, 1024x768 @ 60fps		
VGA Output	1920x1080 @ 60fps, 1920x1080 @ 50fps, 1600x1200@ 60fps, 1280x1024 @ 60fps, 1280x720 @ 60fps, 1024x768 @ 60fps	1920x1080p@60fps, 1920x1080p@50fps, 1280x1024@60fps, 1280x720@60fps, 1024x768@60fps	
Recording Resolution	4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF	
Audio Output	1-ch, 3.5mm	1-ch, RCA	
Synchronous Playback	8-ch	9-ch	16-ch
Corridor Mode Screen		3/4/5/7/9	3/4/5/7/9/10/12/16
Liveview display		1/4/6/8/9	1/4/6/8/9/16
Audio Compression	G.711A, G.711U		
Network			
Incoming Bandwidth	64Mbps	160Mbps	160Mbps
Outgoing Bandwidth	48Mbps	64Mbps	64Mbps
Remote Users	128		
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SMTP, RTSP	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP	
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	
Decoding			
Decoding Format	H.265, H.264, MJPEG		
Capability	1 x 4K@30fps, 4 x 5MP@25fps, 4 x 4MP@25fps, 4 x 3MP@25fps, 4 x 1080p@30fps, 8 x 720p@30fps	2 x 4K@30fps, 3 x 5MP@30fps, 4 x 4MP@30fps, 5 x 3MP@30fps, 8 x 1080p@30fps, 9 x 1080p@25fps	2 x 4K@30fps, 3 x 5MP@30fps, 4 x 4MP@30fps, 5 x 3MP@30fps, 8 x 1080p@30fps, 16 x 720p@30fps
Live View/Playback	4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF	
Hard Disk			
SATA Interface	1	2	
Capacity	Up to 8TB for each disk (The maximum HDD capacity varies with environment temperature)		

Technical Specification

No PoE Network Video Recorders

	NVR101-8C	NVR102-9C	NVR102-16C
Smart			
VCA Detection	Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Audio Detection	Face Detection, 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	Face Search, Behavior Search	
SIP	4-ch(supports channel 1-4; Alarm only, no image)	Total 8-ch	
People Counting	-	People Flow Counting, Crowd Density Monitoring	
External Interface			
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet Interface	2 RJ-45 10M/100M/1000M self-adaptive Ethernet Interface	
USB Interface	Rear panel: 2 x USB2.0	Rear panel: 1 x USB2.0, 1 x USB3.0 Front panel: 1 x USB2.0	
RS232/RS485	-	-	-
Alarm In	-	-	-
Alarm Out	-	-	-
General			
Power Supply	12V DC		
Power Consumption (without HDD)	≤ 5W (without HDD)	≤ 15W (without HDD)	
Dimensions (Hx Wx D)	47x 260x 215mm (1.8"x 10.2"x 8.5")	53x 380x 315mm (2.1"x 15"x 12.4")	
Weight	≤ 2.16lb (0.98Kg)		
Operating Temperature	14°F to 131°F (-10°C to 55°C)		
Operating Humidity	≤ 90% RH (Non-condensing)		
Warranty	2 Years		
Snapshot			
FTP/Schedule/Event Snapshot	1-ch snapshot, up to D1 resolution	-	-
General Alarm			
General Alarm	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input	Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection	
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline , Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal		

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No PoE Network Video Recorders

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ID	Description
176665	NVR101-8C, 8-Channel Network Video Recorder, Record 8CH 4K@30fps, Live View/Playback 1CH 4K@30fps, Supports up to 1x8TB Hard Drive(Not Included)
176666	NVR102-9C, 9-Channel Network Video Recorder, Record 9CH 4K@30fps, Live View/Playback 2CH 4K@30fps, Supports up to 2x8TB Hard Drive(Not Included)
176667	NVR102-16C, 16-Channel Network Video Recorder, Record 16CH 4K@30fps, Live View/Playback 2CH 4K@30fps, Supports up to 2x8TB Hard Drive(Not Included)