

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	
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	
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	
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 @3		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	
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 (Wx Dx H)		10.2"x 9.4"x 1.8"(260x 240x 46mm)		14.9"x 12.4"x 2.1" (380x 315x 53mm)	
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	
GeneralAlarm					
General Alarm		Motion,Tampering,HumanBodyDetection,VideoLoss, 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.265, H.264			
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, 5MP@30fps, 4 x 4MP@30fps, 5 x 3MP@30fps, 8 x 1080p@30fps, 9 x 1080p@25fps	
Live View/Playback		4K/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF 8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF F			
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		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 (Wx Dx H)		260×240×46mm(10.2"×9.4"×1.8")		380x 315x 53mm (15"x 12.4"x 2.1'')	
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

Ordering Information

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)