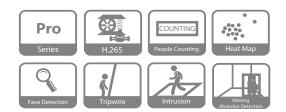


NVR504L-16/32-16P-4KS2E

16/32Channel 1.5U 16PoE 4K&H.265 Pro Network Video Recorder



- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- · Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- · 2HDMI/2VGA simultaneous video output
- 1-8 PoE Ports Support 800m ePoE & EoC



System Overview

NVR504L-xx/16P-4KS2 network video recorder delivers excellent performance and high recording quality that is ideally suitable for IP video surveillance applications. This professional NVR adopts powerful processor, providing the capability of 4K resolution processing for applications where image details are highly required. Additionally, the NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control

Due to its easy-to-install design, the NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centers, education, and financial institutions.

The NVR is compatible with numerous third-party devices, which make it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with 4K cameras.

Functions

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

ePoE & EoC

The NVR supports 800m ePoE and EoC technology for use in a broad range of application scenarios. ePoE technology simplifies the network structure of long-range surveillance projects, eliminating the requirement for extra network repeater devices, making the system more reliable and easy to deploy. EoC technology makes it possible to upgrade existing systems to high definition IP surveillance while using existing coax cables.

Smart Fan

The NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically adjusts fan speed according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs and improving the user experience.

Easy4ip

The Easy4ip app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere!

Fisheye Dewarping

Fisheye dewarping solves the problem of distortion in the circular panoramic view. The NVR offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene.

ANPR

Automatic Number Plate Recognition available for convenient entrance/ exit management. Support license plate recognition(working with Dahua ITC camera), black/white list import/export, add/delete B/W list number, search result from recorded video.

Point of Sale (POS)

Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the Fuzzy search algorithm.

Automatic Network Replenishment (ANR) Technology
Network Video Recorders with the ANR function automatically store
video data on an IP camera SD card when the network is disconnected.
After recovery of the network, the NVR automatically retrieves the video
data stored on the camera.

Technical Specification		Network		
System		Interface	1 RJ-45 Por	
Main Processor	Quad-core embedded processor	PoE	16 ports (IE 1-8 ports su	
Operating System	Embedded LINUX		НТТР, НТТР	
Audio and Video		Network Function	UDP, SMTP, FTP, Alarm	
IP Camera Input	16/32/64 Channel		camera, DV	
Two-way Talk	1 Channel Input, 2 Channel Output, RCA	Max. User Access	128 users	
Display		Smart Phone	iPhone, iPad	
Interface	2 HDMI, 2 VGA	Interoperability	ONVIF 2.4,	
Resolution	HDMI1: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768	Storage		
	VGA1: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768	Internal HDD	4 SATA III Po	
	HDMI2/VGA2: 1920 × 1080	eSATA	1 eSATA	
Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)	Auxiliary Interface	Auxiliary Interface	
	1st Screen: 16CH: 1/4/8/9/16 32CH: 1/4/8/9/16/25/36	USB	3 USB Ports	
Multi-screen Display	64CH: 1/4/8/9/16/25/36/64 2nd Screen: 1/4/8/9/16	RS232	1 Port, for F	
OSD	Camera title, Time, Camera lock, Motion detection,	RS485	1 Port, for F	
Recording Recording		Electrical		
-	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG	Power Supply	Single, AC1	
Compression			NVR: <17.5\	
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.		PoE: Max 2:	
Bit Rate	16Kbps ~ 20Mbps Per Channel	Fan	Smart fan, a	
Record Mode	Manual, Schedule (Regular, MD(Motion Detection) , Alarm, IVS), Stop	Environmental		
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec	Operating Conditions	-10°C ~ +55	
Video Detection and Alarm		Storage Conditions	-20°C ~ +70	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips	Construction		
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering	Dimensions	1.5U, 440m (17.3" x 16.2	
Alarm input	16 Channel	Net Weight	4.65kg (10.3	
Relay Output	6 Channel	Gross Weight	7kg (15.4 lb	
Playback and Backup		Installation	Rack-moun	
Sync Playback	1/4/9/16	Certifications		
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)	CE	EN55032, E	
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom	FCC	Part 15 Sub	
Backup Mode	USB Device/Network/eSATA Device	UL	UL 60950-1	
Third-party Support				
Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more			

Network				
Interface	1 RJ-45 Ports (10/100/1000Mbps)			
PoE	16 ports (IEEE802.3af/at) 1-8 ports support ePoE & EoC			
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), Easy4IP			
Max. User Access	128 users			
Smart Phone	iPhone, iPad, Android			
Interoperability	ONVIF 2.4, SDK, CGI			
Storage				
Internal HDD	4 SATA III Ports, Up to 10 TB capacity for each HDD			
eSATA	1 eSATA			
Auxiliary Interface				
USB	3 USB Ports (2 Rear USB 3.0 , 1 Front USB 2.0)			
RS232	1 Port, for PC Communication and Keyboard			
RS485	1 Port, for PTZ Control			
Electrical				
Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz			
Power Consumption	NVR: <17.5W (Without HDD)			
rower consumption	PoE: Max 25.5W for single port 150W total rated power, 80% control for protection			
Fan	Smart fan, automatically adjust running speed			
Environmental				
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa			
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH			
Construction				
Dimensions	1.5U, 440mm x 411.2mm x 76mm; (17.3" x 16.2" x 3.0")			
Net Weight	4.65kg (10.3 lb) (without HDD)			
Gross Weight	7kg (15.4 lb) (without HDD)			
Installation	Rack-mounted			
Certifications				
CE	EN55032, EN55024, EN50130-4, EN60950-1			
FCC	Part 15 Subpart B, ANSI C63.4-2014			
UL	UL 60950-1			

Ordering Information				
Туре	Part Number	Description		
16 Channel NVR	NVR504L-16/16P- 4KS2E	16 Channel 1.5U 16PoE 4K&H.265 Pro Network Video Recorder		
32 Channel NVR	NVR504L-32/16P- 4KS2E	32 Channel 1.5U 16PoE 4K&H.265 Pro Network Video Recorder		
64 Channel NVR	NVR504L-64/16P- 4KS2E	64 Channel 1.5U 16PoE 4K&H.265 Pro Network Video Recorder		
Accessories	ESS1504C	4 HDDs eSATA Storage (Please confirm with Technical Support for HDD capacity & compatibility)		
	ESS1508C	8 HDDs eSATA Storage (Please confirm with Technical Support for HDD capacity & compatibility)		

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Accessories





Rear Panel

