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.

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.

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.

NVR5432-4KS2

System	
Main Processor	Quad-Core Embedded Processor
Operating System	Embedded LINUX

Audio and Video	
IP Camera Input	32 Channel
Two-way Talk	1 Channel Input, 2 Channel Output, RCA

Display	
Interface	2 HDMI, 2 VGA
Resolution	HDMI1: 3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
	VGA1: 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
	HDMI2/VGA2: 1920 × 1080
Decoding Capability	4-Ch@8MP(30fps), 16-Ch@1080P(30fps)
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36
	2nd Screen: 1/4/8/9/16
OSD	Camera title, Time, Camera Lock, Motion Detection, Recording

Recording	
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, MD(Motion Detection) , Alarm, IVS), Stop
Record Interval	1 ~ 120 Min (Default: 60 Min), Pre-Record: 1 ~ 30 Sec, Post-Record: 10 ~ 300 Sec

Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm input	16 Channel
Relay Output	6 Channel

Playback and Backup	
Sync Playback	1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (Accurate to Second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network/eSATA Device

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	2 RJ-45 Ports (10/100/1000Mbps)
	Independent or Joint Working
PoE	N/A
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.), P2P
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

NVR5432-4KS2

Electrical	
Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<16.7W (Without HDD)
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	4.3kg (9.5 lb) (Without HDD)
Gross Weight	7kg (15.4 lb) (Without HDD)
Installation	Rack-Mounted

Dimensions (mm)