

INSAI161624KN

16 Channel AI NVR with 16 PoE Ports

AI+
Network Recorder

- H.265+/H.265 dual-stream video compression
- Up to 4 Channel video metadata
- Up to 12 Channel Area protector and Smart MD
- Up to 4 Channel video stream face recognition
- Up to 16 face pictures/sec processing
- Up to 20 face databases with 200,000 face images in total
- 1-8 PoE Ports support ePoE & EoC



STORM Application

The STORM app is available on the iOS App Store and Google Play. It allows you to remotely access back-end 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.

Smart H.265+ & H.264+

STORM smart encoding technology can provide high-quality video with higher efficiency and can also reduce the cost of storage space and transmission adopting an advanced algorithm of auto stream control.

Unify your Security Solution

Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications



*Design and specifications are subjects to change without notice.



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Product Specifications

16 Channel AI NVR with 16 PoE Ports

System	
Main Processor	Multi-core embedded processor
Operating System	Embedded LINUX
Area Protector	
Performance	12 channel, 10 smart feature rules for each channel
AI Search	Search by target classification (human, vehicle)
Object Classification	Human/Vehicle secondary recognition for tripwire and intrusion
Face Recognition	
Performance	Process max 16 face pictures per second; 4 channel video stream face recognition; 16 channel picture stream face recognition
Stranger Mode	Detect strangers' faces (Stranger means that the face is not in the device's face database). Similarity threshold can be set manually
AI Search	Up to 8 target face images search at same time, similarity threshold can be set for each target
Database Management	Up to 20 face databases with 200,000 face images in total. Name, gender, birthday, nationality, address, ID information can be added to each face picture.
Database Application	Each database can be applied to video channels independently.
Trigger Events	Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc.
Video Metadata	
Face	Gender, age, glasses, beard, mouth mask, expression
Vehicle	Plate No., type, color, vehicle type, logo, plate color, ornament, calling, seatbelt, region.
Human Body	Top, top color, bottom, bottom color, hat, bag, gender, age, umbrella.
Non-motor Vehicle	Type, color, number of passengers, helmet
AI Search	Search by target classification (Human, vehicles)
Video	
Channels	16 Channels
Resolution	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Decoding Capability	4-ch at 8MP (30fps), 16-ch at 1080P (30fps)
Multi-screen Display	1 / 4 / 8 / 9 / 16
Recording	
Bandwidth	320 Mbps (160 Mbps when AI function enabled)
Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Resolution	24MP, 16MP, 12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
Record Mode	Manual, Schedule (Continuous, MD (Motion Detection), Alarm, Smart features)
Record Interval	1–120 min (default: 60 min), Pre-record: 1–30 sec, Postrecord: 10–300 sec

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Video Detection and Alarm	
Trigger Events	Alarm Out, Video Push, Email, Recording, PTZ, Tour, Snapshot, Voice Prompt, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Scene Change
Alarm input	4 Channel
Relay Output	2 Channe
Playback and Backup	
Sync Playback	1/4/9/16
Search Mode	Time/Date, Alarm, MD and Exact Search (accurate to second)
Backup Mode	USB Device/Network
Rear Panel	
Audio	1 channel in; 1 channel out; RCA
HDD	2 SATA III ports, up to 10 TB for a single HDD. The maximum HDD capacity varies with environment temperature
PoE	16 ports (IEEE802.3af/at) 1-8 ports support ePoE & EoC
USB	1 front USB 2.0 port, 1 rear USB 2.0 port
RS232	1 Port, for PC and Keyboard
RS485	1 Port, for PTZ Control
Network	
Network	1 RJ-45 Ports (10/100/1000 Mbps)
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Supports STORM IP camera, UVR, NVR, etc.), P2P
Max. User Access	128 users
Interoperability	ONVIF 2.4, SDK, CGI
General	
Power Supply	Single, AC100V–240V, 50–60 Hz
Power Consumption	NVR: Less than 15.6W (Without HDD) PoE: Max 25.5W for single port 130W total rated power, 80% control for protection
Weight	8.8 lbs (4.00kg)
Dimensions	375.0 mm × 327.4 mm × 53.0 mm (14.76" × 12.89" × 2.09")
Operating Temperature	-10°C to +55°C (+14°F to +131°F); 86–106kpa

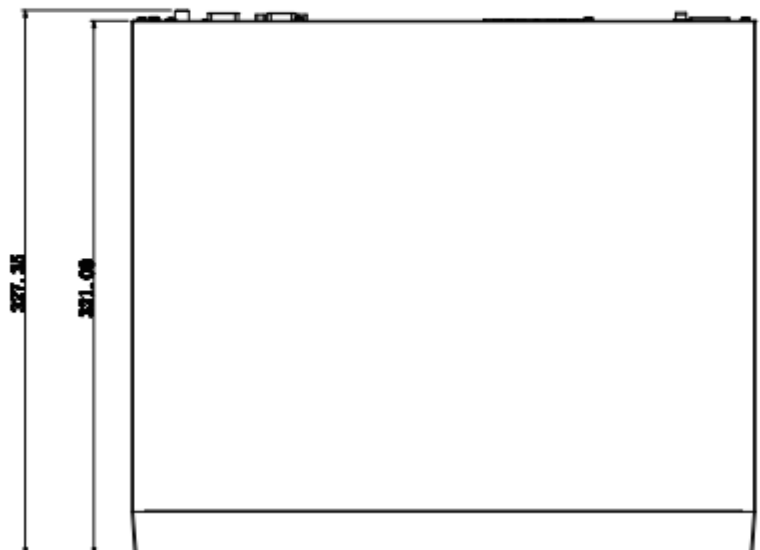
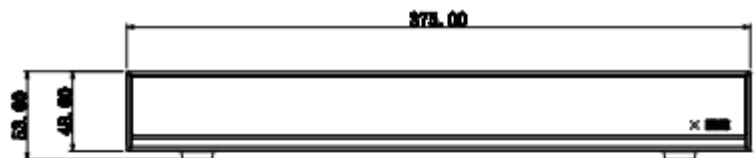
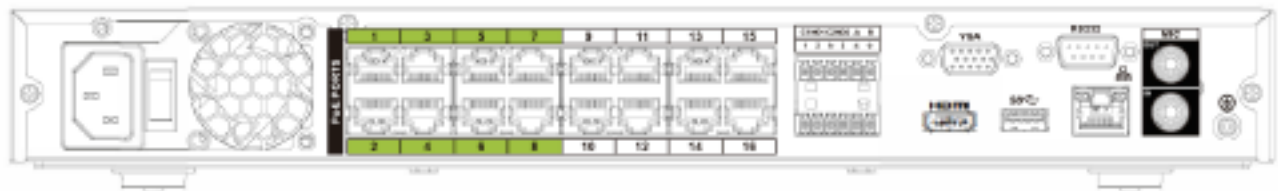
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