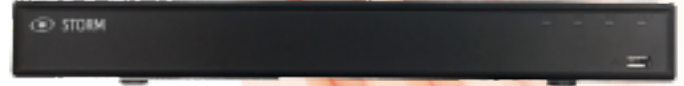


INS8824KN

8 Channel 4K NVR with 8 ports PoE

Network Recorder

- H.265+ and H.264+ smart decoding
- Max 384Mbps incoming bandwidth
- Up to 24Mp resolution preview & playback
- AI on the edge - Area Protector, Face Recognition, Heat Map, People Counting, Smart Motion Detection and more
- Supports IPC UPnP, 8 PoE ports



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

8 Channel 4K NVR with 8 ports PoE

System	
Main Processor	Industrial embedded micro-processor
Operating System	Embedded LINUX
Operation Interface	Web; local GUI
Area Protector	
Performance of AI by Camera	8 channels
Performance AI by Recorder	4 channels
AI Search	Search for pictures by channel, time and event type
Face Recognition	
Performance	Up to 8 channels
Face Attributes	Up to 20 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image.
AI Search	Search for pictures by channel, time and face attributes
Smart Motion Detection	
Performance	8 channels
AI Search	Search by target classification (Human, vehicles)
Video Metadata	
Performance	8 channels
Human Detection	Clothes color; Hat; Bag; Age; Gender
Vehicle Detection	License Plate number; Type of vehicle; Color; Region
AI Search	Supports searching for target video by metadata
License plate recognition	
Performance	8 channels
Stereo Analysis	
Performance	8 channels
Video	
Channels	8 channels
Network Bandwidth	AI disabled: 384 Mbps for access, 384 Mbps for storage and 384 Mbps for forwarding AI enabled: 200 Mbps for access, 200 Mbps for storage and 200 Mbps for forwarding
Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF
Decoding Capability	Up to 8-channel at 8MP (30 fps)
Video Output	HDMI1: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720 VGA1: 1920 × 1080; 1280 × 1024; 1280 × 720
Multi-screen Display	8-channel: 1 / 4 / 8 / 9
Third Party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon and more
Compression	
Video	H.265+; H.264+; H.265; H.264; MJPEG
Audio	PCM; G.711A; G.711U; G.726
Network	
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 cameras, DVR, NVR, and more.) ; P2P
Mobile Phone Access	Android; iOS
Interoperability	ONVIF (profile T/S/G); CGI; SDK

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Product Specifications

8 Channel 4K NVR with 8 ports PoE

Recording	
Multi-channel Playback	Up to 8 channels
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm; intelligent; POS)
Backup	USB device
Playback Function	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Alarm	
General	Motion detection; privacy masking; video loss; local alarm
Anomaly	Offline cameras; storage error; full storage; IP conflict; MAC conflict; login locked; network security anomaly
Smart Alarm	Area Protector; face detection; face recognition; smart motion detection; video metadata (human; motor vehicles; non motor vehicles) ; license plate recognition; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; buzzer; log; preset; email
Port	
Audio Input	1 channel, RCA connector
Audio Output	1 channel, RCA connector, which supports voice intercom output
HDD	2 SATA III ports, up to 16 TB for a single HDD. The maximum HDD capacity varies with environment temperature
Alarm Input	4 channels
Alarm Output	2 channels
RS-232	1 channel, used to debug and pass through serial data
RS-485	1 channel, used to control PTZ, and it supports multiple protocols
USB	1 front USB 2.0 port, 1 rear USB 3.0 port
HDMI	1
VGA	1
Network	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet port
PoE	8 ports (IEEE802.3af/at)
General	
Certifications	FCC: 47 CFR FCC Part15, SubpartB, Class A; CE-EMC: EN 55032: 2015+A1: 2020; EN IEC 61000-3-2: 2019+A1: 2021; EN 61000-3-3: 2013+A1: 2019+A2: 2021; EN 55035: 2017+A11: 2020; EN 50130-4:2011+A1: 2014; CE-LVD: EN 62368-1: 2014
Power Supply	Single, 100V-240V AC, 43 Hz-63 Hz; Less than 10 W without HDD PoE: Max 25.5W for single port 130W total rated power, 80% control for protection
Weight	5.67 lbs (2.57kg)
Dimensions	375.0 mm × 329.4 mm × 53.0mm (14.8" × 12.9" × 2.1")
Operating Temperature	10°C to +55°C (+14°F to +131°F); 10%-93% (RH)

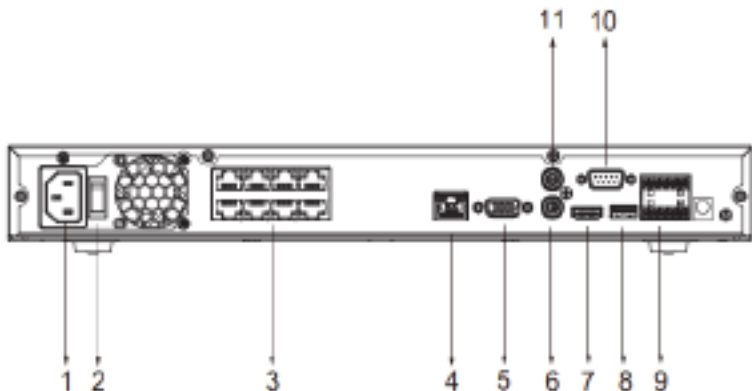
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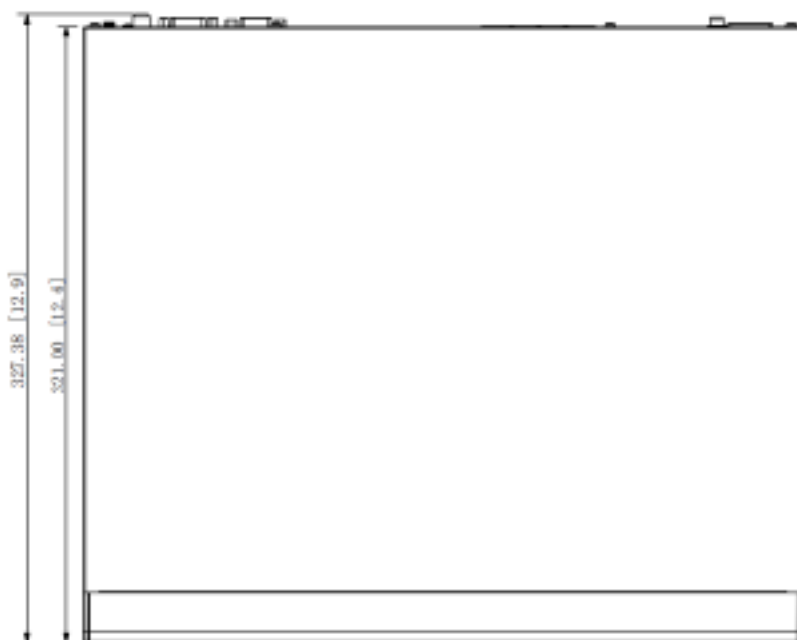
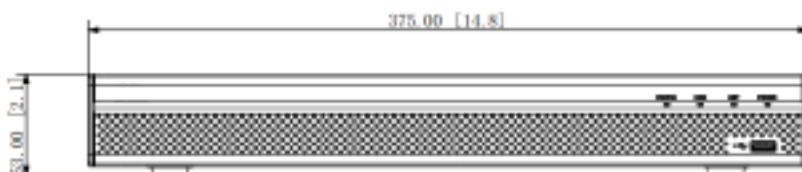
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Product Specifications

8 Channel 4K NVR with 8 ports PoE



- | | | | |
|----|--------------------------|----|-------------------------|
| 1 | Power Input | 2 | Power Switch |
| 3 | PoE Ports | 4 | Network Port |
| 5 | VGA Port | 6 | AUDIO IN, RCA Connector |
| 7 | HDMI Port | 8 | USB Port |
| 9 | Alarm In/Out | 10 | RS-232 Port |
| 11 | AUDIO OUT, RCA Connector | | |



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