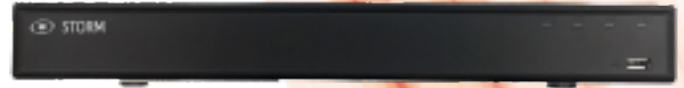


INS161624KN

16 Channel 4K NVR with 16 ports PoE

Network Recorder

- H.265+ and H.264+ smart decoding
- Max 320Mbps incoming bandwidth
- Up to 24Mp resolution preview & playback
- AI on the edge - Area Protector, Face 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

16 Channel 4K NVR with 16 ports PoE

System	
Main Processor	Industrial embedded micro-processor
Operating System	Embedded LINUX
Operation Interface	Web; local GUI
Area Protector	
Performance	16 channels
AI Search	Search for pictures by channel, time and event type
Face Recognition	
Performance	14 channels
Face Attributes	6 attributes: Gender; age; glasses; expression; mask; beard
AI Search	Search for pictures by channel, time and face attributes
Smart Motion Detection	
Performance	16 channels
AI Search	Search by target classification (Human, vehicles)
Video Metadata	
Performance	16 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	4 channels
Stereo Analysis	
Performance	16 channels
Video	
Channels	16 channels
Network Bandwidth	320 Mbps for access, 320 Mbps for storage and 320 Mbps for forwarding
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1.3MP, 720p, D1, and more
Decoding Capability	16-channel at 1080P (30 fps)
Video Output	HDMI1: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720 VGA1: 1920 × 1080; 1280 × 1024; 1280 × 720
Multi-screen Display	16-channel: 1 / 4 / 8 / 9 / 16
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

16 Channel 4K NVR with 16 ports PoE

Recording	
Multi-channel Playback	1 / 8 / 9 / 16 channels
Record Mode	Manual; schedule (general; MD; alarm; MD & alarm; intelligent; POS)
Backup	USB device
Playback Function	1. Play; pause; stop; fast forward; fast backward; rewind; play by frame 2. Full screen; backup (cut/file) ; partially enlarge; audio on/off
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; vehicle) ; license plate recognition; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; buzzer; log; preset; email
Rear Panel	
Audio Input	1 channel, RCA connector
Audio Output	1 channel, RCA connector, which supports voice intercom output
HDD	2 SATA III ports, up to 10 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	16 ports (IEEE802.3af/at)
General	
Power Supply	Single, 100V–240V AC, 50 Hz–60 Hz; Less than 14.5W PoE: Max 25.5W for single port 130W total rated power, 80% control for protection
Weight	8.8 lbs (4kg)
Dimensions	375.0 mm × 327.4 mm × 53.0mm (14.8" × 12.9" × 2.1")
Operating Temperature	10°C to +55°C (+14°F to +131°F); 10%–93% (RH)
Operating Altitude	3,000 m (9,843 ft)

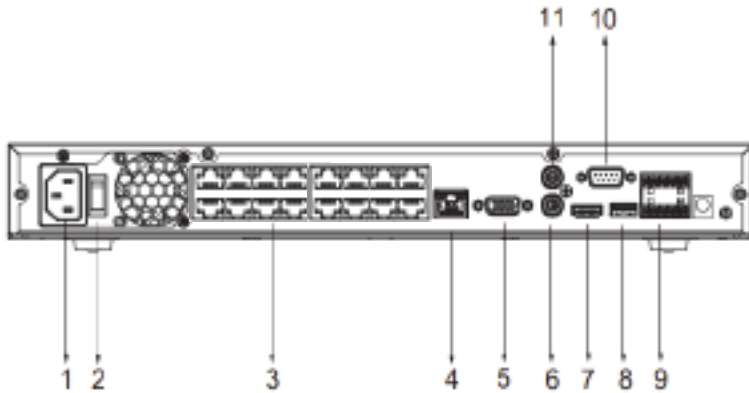
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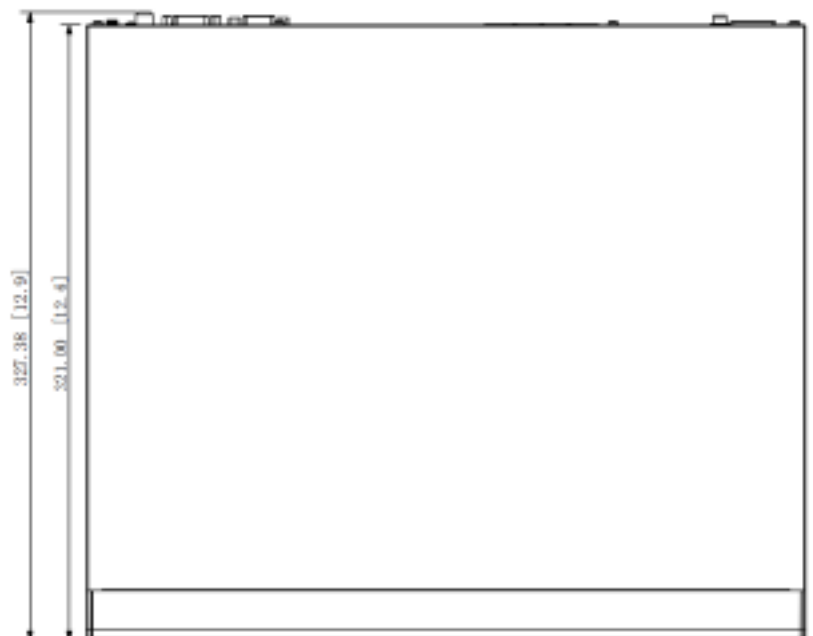
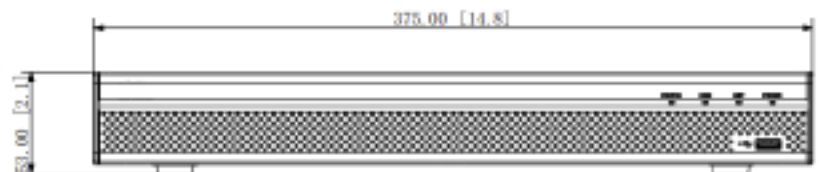
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Product Specifications

16 Channel 4K NVR with 16 ports PoE



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|----|--------------------------|----|-------------------------|
| 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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