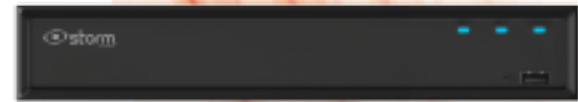# INS4414KN

4 Channel 4K Network Video Recorder

Network Recorder

- H.265+/H.265 dual-stream video compression

- 4K Resolution using the HDMI port

- Decodes up to 16 × 1080p at 30fps. Supports adaptive decoding

- Supports mainstream cameras of ONVIF and RTSP protocols

- AI Analytics: Facial recognition, area protector and more

- Remote surveillance, live view and video play on mobile phone App

- Entry, retention, or transmission at 80 megabits per second

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

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4 Channel 4K Network Video Recorder

System	
Main Processor	Industrial embedded micro-processor
Operating System	Embedded LINUX
Operation Interface	Web; local GUI
Area Protector	
Performance (Number of Channels)	2 channels (by recorder), 10 IVS rules for each channel; 4 channels (by camera)
AI Search	Search for pictures by channel, time and event type
Smart Motion Detection	
Performance	4 channels (by camera), 4 channels (by recorder)
AI Search	Search by target classification (Human, vehicles). Minimizing false alerts triggered by foliage, precipitation, and shifts in lighting conditions
Face Detection	
Performance	4 channels (by camera), 1 channels (by recorder)
Face Attributes	Mask; beard; gender; age; glasses; expression
AI Search Rate	Up to 12 face images/s (by recorder)
Facial Recognition	
Performance	4 channels (by camera), 1 channels (by recorder)
Capacity for Facial Databases	Support for 10 facial databases comprising 20,000 images, with a combined storage capacity of 2.5 gigabytes. Each facial image can include details such as name, gender, birthdate, address, credential type, credential number, country/region, and state
AI Search	Search for pictures by channel, time and face attributes; 12 face images/s
Advanced smart functions	
AI by Camera	People counting; stereo analysis; heat map (4 channels)
Video	
Channels	4 channels
Network Bandwidth	80 Mbps incoming, 80 Mbps recording and 80 Mbps outgoin
Resolution	16 MP; 12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF
Decoding Capability	**AI disabled:** 2-channel 16MP at 30fps; 2-channel 12MP at 30fps; 4-channel 8MP at 30fps **AI enabled:** 1-channel 16MP at 30fps; 2-channel 12MP at 30fps; 3-channel 8MP at 30fps; 4-channel 5MP at 30fps
Video Output	HDMI1: 3840 × 2160; 1920 × 1080; 1280 × 1024; 1280 × 720 VGA1: 1920 × 1080; 1280 × 1024; 1280 × 720
Multi-screen Display	Main screen: 1/4; Sub screen: 1/4
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; auto register
Mobile Phone Access	Android; iOS
Interoperability	ONVIF (profile T/S/G); CGI; SDK
Browser	Chrome; IE; Firefox

*Design and specifications are subjects to change without notice.

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4 Channel 4K Network Video Recorder

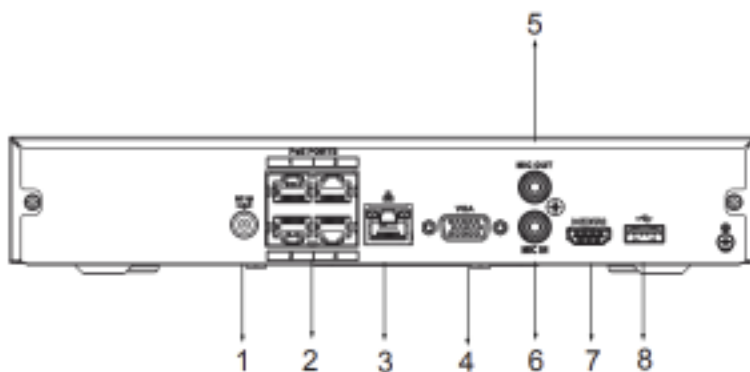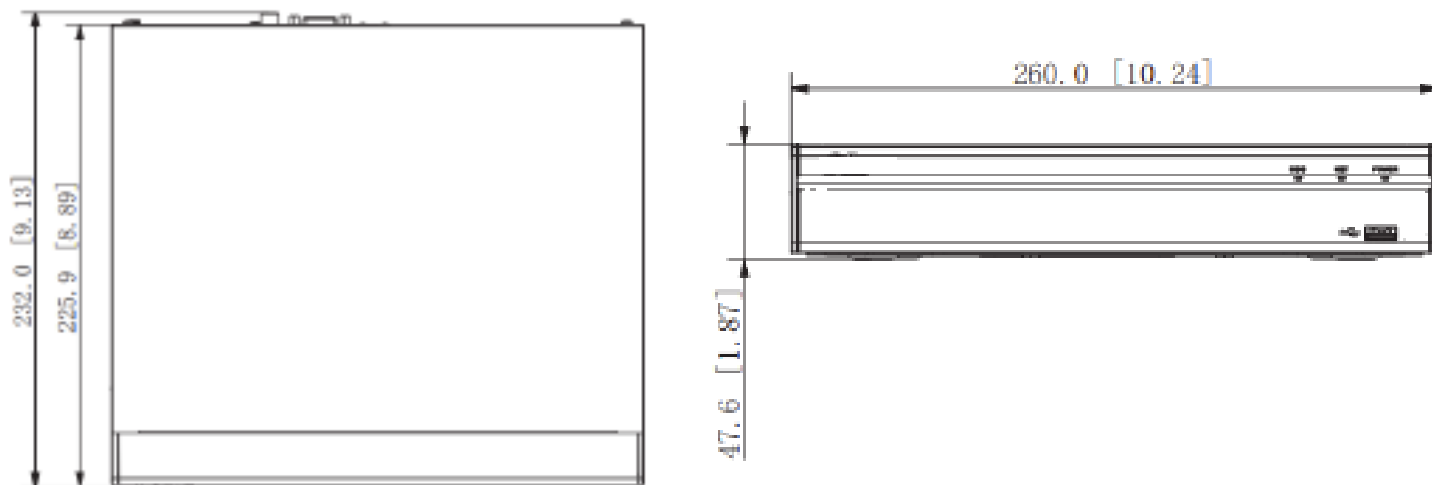| Recording	
Multi-channel Playback	Up to 4 channels
Record Mode	General, motion detection; intelligent; alarm
Backup	USB device and network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Alarm	
General	Motion detection; privacy masking; video loss; scene changing; PIR alarm; IPC external alarm
Anomaly	Offline cameras; storage error; full storage; IP conflict; MAC conflict; login locked; network security anomaly
Smart Alarm	Area Protector; face detection; facial recognition; smart motion detection; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; buzzer; log; preset; email; audio
Rear Panel	
Audio Input	1 channel, RCA connector
Audio Output	1 channel, RCA connector
HDD	1 SATA port, up to 16 TB. The maximum HDD capacity varies with environment temperature
USB	1 front USB 2.0 port, 1 rear USB 2.0 port
HDMI	1
VGA	1
Network	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet port
PoE	4 ports, 10/100 Mbps (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	53 VDC, 1.226 A
Power Supply	Less than 10W PoE: Max 25.5W for single port 36W total rated power
Weight	1.9 lbs (0.86kg)
Dimensions	260 mm × 232 mm × 47.6 mm (10.24" × 9.13" × 1.87") (W × L × H)
Operating Temperature	10°C to +55°C (+14°F to +131°F); 10%–93% (RH)
Installation	Desktop or rack

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4 Channel 4K Network Video Recorder

260.0 [10.24]

232.0 [9.13]

225.9 [8.89]

47.6 [1.87]

1	DC Power Input	2	PoE Ports
3	Network Port	4	VGA Port
5	AUDIO IN, RCA Connector	6	AUDIO OUT, RCA Connector
7	HDMI Port	8	USB Port

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