

## DHI-NVR2104/2108-W-4KS2

4/8 Channel Smart 1U Lite 4K H.265 Wireless Network Video Recorder



- Support IEEE802.11b/g/n(2.4GHz)
- Support two-antenna to strenthen the Wi-Fi signal
- · H.265+/H.264+ codec decoding
- · Max 80Mbps wire incoming bandwidth
- · Max 24Mbps wireless incoming bandwidth
- Up to 1ch@8MP/4ch@1080P decoding











## **System Overview**

Dahua's third generation network video recorder embedded Wi-Fi module to support wireless AP function, support automatic detection and connection of IP camera from Dahua without any operation. In addition, it has two-antenna for a strong wireless network signal. IEEE 802.11 b/g/n (2.4G Hz) Wi-Fi covers wider and further area. Also, this NVR can support wire IP cameras accessing, making the installation more flexible.

Without the limitation of the network cable, this NVR is ideal for a wide range of application such as home safety, cafe, retail, grocery, education and other industries.

Combination with Dahua wireless camera makes the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

## **Functions**

WiFi AP

With built-in Wi-Fi module, this NVR can supply Wi-Fi access point for wireless devices. Setting SSID and password to construct a dedicated wireless network, it will makes the wireless transmission more reliable and safe. Besides, IEEE802.11b/g/n(2.4G Hz) Wi-Fi covers wider and further area.

8MP Resolution

8MP resolution is a revolutionary breakthrough in image processing technology. 8MP delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 8MP resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

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.

DMSS

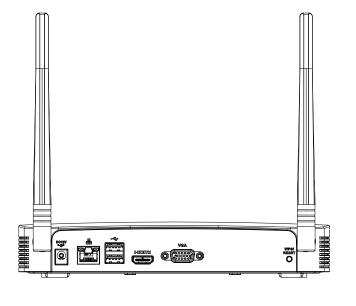
The DMSS app is available on the iOS App Store and Google Play. It makes surveillance easy and simple, allowing you to remotely access NVR devices, view live video, receive event push notifications, and search for recorded videos from an iPhone, iPad, or Android phone at anytime from virtually anywhere.



Technical Specification		Third-party Support	
System		Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco,
Main Processor	Dual-core embedded processor		Samsung, Sanyo, Sony, Videotec, and more
Operating System	Embedded LINUX	Network	
Audio and Video		Interface	1 RJ-45 port (10/100Mbps)
IP Camera Input	4/8 Channel	Wireless	IEEE802.11b/g/n(2.4GHz)
Two-way Talk	N/A	PoE	N/A
Display		Network Function	HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, IP Filter, DDNS, IP Search(Support Dahu
Interface	1 HDMI, 1 VGA		IP camera, DVR, NVS and etc.), P2P
Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720	Optical Fiber Interface	N/A
	VGA: 1920×1080, 1280×1024, 1280×720	Max. User Access	128 users
Decoding Capacity	1ch@8MP 30fps, 4ch@1080P 30fps	Smart Phone	iPhone, iPad, Android
	4CH: 1/4	Interoperability	ONVIF 2.4, SDK, CGI
Multi-screen Display	8CH: 1/4/8/9	Storage	
OSD	Camera title, Time, Camera lock, Motion detection, Recording	Internal HDD	1 SATA III Port, up to 4TB capacity for each HDD
Recording		HDD Mode	Single
Compression	H.265+/H.264+/H.265/H.264	eSATA	N/A
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/720P/D1&etc.	Auxiliary Interface	
Record Rate	80Mbps	USB	2 ports (2 USB2.0)
D'A Data		RS232	N/A
Bit Rate	16Kbps ∼ 20Mbps Per Channel	RS485	N/A
Record Mode	Manual, Schedule(Regular(Continuous), MD, Stop	Electrical	
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec	Power Supply	Single, DC12V/2A
Video Detection and Alarm		Power Consumption	<6.6W (without HDD)
Trigger Events	Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips	Environmental	
Video Detection	Motion Detection, MD Zones: 396 (22 × 18),	Operating Conditions	0°C ~ +40°C (+32°F ~ +104°F), 86 ~ 106kpa
	and Tampering	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Alarm input	N/A	Construction	
Relay Output	N/A	Dimensions(W×D×H)	Smart 1U, 226mm×226.9mm×40.4mm (8.9" x 8.9" x 1.6")
Playback and Backup		Net Weight	0.5kg (1.10lb) (without HDD)
Sync Playback	1/4	Gross Weight	1.6kg(3.53 lb)(without HDD)
Search Mode	Time /Date, MD and Exact Search (accurate to second)	Certifications	3. 7.
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Shuffle, Backup Selection, Digital Zoom	CE	EN55032, EN55024, EN50130-4, EN60950-1
Backup Mode	USB Device/Network	FCC	Part 15 Subpart B, ANSI C63.4-2014
Dackup Would	SSS SEVICE, NECWORK	UL	UL60950-1

Ordering Information			
Туре	Part Number	Description	
4 Channel NVR	DHI-NVR2104-W- 4KS2	4 Channel Smart 1U Lite 4K H.265 Wireless Network Video Recorder	
8 Channel NVR	DHI-NVR2108-W- 4KS2	8 Channel Smart 1U Lite 4K H.265 Wireless Network Video Recorder	
Accessories	N/A	N/A	

## Dimensions (mm)



**Rear Panel** 

