

# DHI-NVR2116-4KS2

16 Channel Smart 1U Lite H.265 Network Video Recorder



- H.265/H.264 codec decoding
- · Max 80Mbps incoming bandwidth
- Up to 8Mp resolution preview&playback
- · Up to 1ch@8MP/4ch@1080P decoding
- HDMI/VGA simultaneous video output











## System Overview

Dahua NVR2000-4KS2 is capable of transmitting 8MP image. It helps to save up to 50% HDD and storage space with its H.265 decoding technology compared with H.264.

Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications such as home safety, grocery, warehouse, education, and financial institutions.

The NVR is compatible with numerous third-party devices making it 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**

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Automatic Network Replenishment (ANR) Technology

Network Video Recorders with the ANR function automatically store video data on an IP camera SD card when the network is disconnected. After recovery of the network, the NVR automatically retrieves the video data stored on the camera.

#### Easy4ip

The Easy4ip 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.

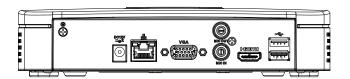


Technical Specification		Third-party Support	
System			Arecont Vision, AXIS, Bosch, Brickcom, Canon,
Main Processor	Dual-core embedded processor	Third-party Support	CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, and more
Operating System	Embedded LINUX	Network	
Audio and Video		Interface	1 RJ-45 port (10/100/1000Mbps)
IP Camera Input	16 Channel	PoE	N/A
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	Network Function	HTTP/HTTPS, TCP/IP, IPv4/IPv6, RTSP, UDP, NTP, DHCP, DNS, IP Filter, DDNS, IP Search(Support Dahua
Display			IP camera, DVR, NVS and etc.), Easy4ip
Interface	1 HDMI, 1 VGA	Optical Fiber Interface	N/A
Resolution	1920×1080, 1280×1024, 1280×720	Max. User Access	128 users
Decoding Capacity	1ch@8MP 30fps, 4ch@1080P 30fps	Smart Phone	iPhone, iPad, Android
		Interoperability	ONVIF 2.4, SDK, CGI
Multi-screen Display	1/4/8/9/16	Storage	
OSD	Camera title, Time, Camera lock, Motion detection, Recording	Internal HDD	1 SATA III Port, up to 6TB capacity for each HDD
Recording		HDD Mode	Single
Compression	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 Rear USB2.0)
Bit Rate	16Kbps ~ 20Mbps Per Channel	RS232	N/A
Record Mode	Manual, Schedule(Regular(Continuous), MD, Stop	RS485	N/A
	1~120 min (default: 60 min), Pre-record: 1~30 sec,	Electrical	
Record Interval	Post-record: 10~300 sec	Power Supply	DC12V/2A
Video Detection and Alarm		Power Consumption	<3W (without HDD)
Trigger Events	Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips	Environmental	
Video Detection	Motion Detection, MD Zones: 396 (22 $\times$ 18), and Tampering	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Alarm input	N/A	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Relay Output	N/A	Construction	
	IVA	Dimensions(W×D×H)	Smart 1U, 204.6mm×204.6mm×45.6mm (8.1" x 8.1" x 1.8")
Playback and Backup		Net Weight	0.45kg (0.99 lb) (without HDD)
Sync Playback	1/4 Time /Date MD and Evact Search	Gross Weight	1.5kg(3.31 lb)(without HDD)
Search Mode	Time /Date, MD and Exact Search (accurate to second)	Certifications	
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
		FCC	Part 15 Subpart B, ANSI C63.4-2014
Backup Mode	USB Device/Network	UL	UL60950-1

# Lite Series | DHI-NVR2116-4KS2

Ordering Information			
Туре	Part Number	Description	
16 Channel NVR	DHI-NVR2116-4KS2	4 Channel Smart 1U Lite H.265 Network Video Recorder	
Accessories	N/A	N/A	

### **Rear Panel**



# Dimensions (mm)

