

# TA-2104HS

4 Channel Compact 1U 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
- Support IPC UPnP, 4PoE ports



## System Overview

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

### 4K Resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

### 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		Third-party Support	
Main Processor	Dual-core embedded processor	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, and more	
Operating System	Embedded LINUX		
Audio and Video		Network	
IP Camera Input	4 Channel	Interface	1 RJ-45 port (10/100Mbps)
Two-way Talk	1 Channel Input, 1 Channel Output, RCA	PoE	4 ports (IEEE802.3at/af)
Display		Optical Fiber Interface	N/A
Interface	1 HDMI, 1 VGA	Max. User Access	128 users
Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720	Smart Phone	iPhone, iPad, Android
	VGA: 1920×1080, 1280×1024, 1280×720	Interoperability	ONVIF 2.4, SDK, CGI
Decoding Capacity	1ch@8MP 30fps, 4ch@1080P 30fps	Storage	
Multi-screen Display	1/4	Internal HDD	1 SATA III Port, up to 6TB capacity for each HDD
OSD	Camera title, Time, Camera lock, Motion detection, Recording	HDD Mode	Single
Recording		eSATA	N/A
Compression	H.265/H.264	Auxiliary Interface	
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/720P/D1&etc.	USB	2 ports (1 Rear USB2.0, 1 Front USB2.0)
Record Rate	80Mbps	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, DC48V/1.25A
Video Detection and Alarm		Power Consumption	NVR: <5.3W (without HDD)
Trigger Events	Recording, PTZ, Tour, Video Push, Snapshot, and Screen Tips		PoE: Max 25.5w for single port, 50w in total
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), and Tampering	Environmental	
Alarm input	N/A	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Relay Output	N/A	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Playback and Backup		Construction	
Sync Playback	1/4	Dimensions(W×D×H)	Compact 1U, 260mm×224.9mm×47.6mm (10.2" x 8.9" x 1.9")
Search Mode	Time /Date, MD and Exact Search (accurate to second)	Net Weight	0.8kg (1.76 lb) (without HDD)
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	Gross Weight	1.6kg(3.53 lb)(without HDD)
Backup Mode	USB Device/Network	Certifications	
		CE	EN55032, EN55024, EN50130-4, EN60950-1
		FCC	Part 15 Subpart B, ANSI C63.4-2014
		UL	UL60950-1