



- Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
- Max 320Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output



# THV5208-8P-4KS2S

8 Channel 1U 8PoE 4K&H.265 Pro Network Video Recorder (V2.00)

## Functions

### 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.

### Smart Fan

The NVR is equipped with a smart fan to achieve high cooling efficiency. It automatically adjusts fan speed according to CPU and ambient temperature. The fan is long-lasting and low noise, reducing maintenance costs and improving the user experience.

### 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!

### Fisheye Dewarping

Fisheye dewarping solves the problem of distortion in the circular panoramic view. The NVR offers various dewarping modes for different installations and configurations that enhance the video, in both live or playback modes. Each dewarping mode offers options to adjust each scene.

### ANPR

Automatic Number Plate Recognition available for convenient entrance/ exit management. Support license plate recognition, black/white list import/export, add/delete B/W list number, search result from recorded video.

### Point of Sale (POS)

Ideal for grocery and retail stores, the optional POS solution allows the NVR to receive a POS transaction via corresponding video. This feature allows merchants to analyze specific transactions via the Fuzzy search algorithm.

### 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.

## Technical Specification

<b>System</b>	
Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX
<b>Audio and Video</b>	
IP Camera Input	8 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
<b>Display</b>	
Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768
Decoding Capability	4-ch@8MP(30fps), 16-ch@1080P(30fps)
Multi-screen Display	8CH: 1/4/8/9 16CH: 1/4/8/9/16 32CH: 1/4/8/9/16/25/36
OSD	Camera title, Time, Camera lock, Motion detection, Recording
<b>Recording</b>	
Compression	Smart H.265+/H.265/Smart H.264+/H.264/MJPEG
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P, D1 etc.
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, MD(Motion Detection), Alarm, IVS), Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

<b>Video Detection and Alarm</b>	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm input	4 Channel
Relay Output	2 Channel
<b>Playback and Backup</b>	
Sync Playback	8CH: 1/4/9 16/32CH: 1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network
<b>Third-party Support</b>	
Third-party Support	Arecont Vision, Airlive, AXIS, Canon, Dynacolor, JVC, LG, Panasonic, Pelco, PSIA, Samsung, Sanyo, Sony, Watchnet and more
<b>Network</b>	
Interface	1 RJ-45 Ports (10/100/1000Mbps)
PoE	8 ports (IEEE802.3af/at)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, SNMP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support Dahua IP camera, DVR, NVS, etc.), Easy4IP
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, SDK, CGI
<b>Storage</b>	
Internal HDD	2 SATA III Ports, Up to 10 TB capacity for each HDD
eSATA	N/A
<b>Auxiliary Interface</b>	
USB	2 USB Ports (1 Rear USB3.0, 1 Front USB2.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control
<b>Electrical</b>	
Power Supply	Single, AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	NVR: <14.5W (Without HDD)
Fan	PoE: Max 25.5W for single port 130W total rated power, 80% control for protection
Environmental	Smart fan, automatically adjust running speed
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
<b>Construction</b>	
Dimensions	1U, 375mm x 326.5mm x 53mm ; (14.8" x 12.9" x 2.1")
Net Weight	2.6kg (5.7 lb) (without HDD)
Gross Weight	4kg (8.8 lb) (without HDD)
<b>Certifications</b>	
CE	EN55022, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL 60950-1

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