



VALUE

AX-NVR090C1S

9CH 4K Network Video Recorder

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.

FEATURES

- Input: Max. 9CH
- Support (two-way) Audio
- HD Output: 4K(3840x2160)
- Video Compression : H265/H264/H265+/H264+



TECHNICAL SPECIFICATION

SYSTEM

	AX-NVR090C1S
Main Processor	ARM Cortex A7 Processor
Operating System	Embedded LINUX

VIDEO

Input	9CH(3840*2160,2592x1944, 2048x1536, 1920x1080, 1280x960, 1280x720, etc)
Output	1 VGA, 1 HD

AUDIO

Input	1 Port RCA, support 9CH IPC audio input
Output	1 Port RCA(Linear, 1kΩ), HD output
Audio Bit Rate	64kbps
Audio Compression	G711u, G711a, ADPCM_DVI4
Intercom	support (two-way)

ALARM

Sensor Input	N/A
Output	N/A
Motion Detection	9 Channel, MD Zones: 396 (22 × 18)
Trigger Events	Recording, Email, FTP, Snapshot, Buzzer and Screen Tips

DISPLAY

HD Output1	4K(3840*2160)/2K(2560*1440)/1920*1080/1280*1024/1280*720/1024*768
HD Output2	N/A
VGA	Resolution:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Display Split	9CH/8CH/6CH/4CH/1CH
Digital Zoom	YES
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm

RECORDING

Video Compression	H265/H264/H265+/H264+
Resolution	4k(3840×2160),5MP(2592×1944),4MP(2688×1520/2560×1440),3MP(2048×1536),1080P(1920×1080),960P(1280×960),720P(1280×720),D1 (720×576/720×480)
Record Rate	PAL :4K@8CHx25fps,5MP@9CHx25fps,4MP@9CHx25fps,3MP@9CHx25fps,1080P@9CHx25fps,960P@9CHx25fps,720P@9CHx25fps, D1@9CHx25fps NTSC: 4K@8CHx30fps,5MP@9CHx30fps,4MP@9CHx30fps,3MP@9CHx30fps,1080P@9CHx30fps, 960P@9CHx30fps,720P@9CHx30fps, D1@9CHx30fps
Record Mode	Manual\Timer\Motion Detection\ Alarm\Smart Event

VALUE SERIES

TECHNICAL SPECIFICATION

PLAYBACK & BACKUP

	AX-NVR090C1S
Local Sync Playback	1CH 4K@30fps, 1CH 5MP@30fps, 2CH 4MP@30fps, 2CH 3M@30fps, 4CH 1080P@30fps, 6CH 960P@30fps, 8CH 720P@30fps, 9CH D1@30fps
Decode Capability	4CH 1080P(1920x1080)@30fps
Remote Sync Playback	YES
Search Mode	ALL, Timing Video, Motion Detection, Alarm, Tag search, Smart Event, Picture, Log
Playback Functions	Play, pause, fast forward, rewind, previous frame, next frame, electronic zoom, clip, audio
Backup Mode	USB Device/Network

NETWORK

Network Interface	1xRJ45 10M/100M Adaptive Ethernet Interface
Incoming Bandwidth	80Mbps
Outgoing Bandwidth	80Mbps
Network Functions	IPv6/TCP/IP, HTTP, HTTPS, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, p2p, PPPOE
Onvif	Profile S, Profile G, Profile T
Web Browser	Edge, IE8-11, Google Chrome, Firefox, Safari
CMS Software	Support Windows 7/ Windows 8/ Windows 10/ Windows 11/ MAC OS
Cloud Support	Yes
Smart Phone	iPhone, iPad, Android, Android Pad
POE	N/A
WIFI	N/A

STORAGE

Interface Type	1 SATA Hard Disk Interface (3.5" SATA)
Capacity	Up to 8TB capacity
eSATA	N/A

GENERAL

Language UI	Simplified Chinese, Traditional Chinese, English, Russian, Deutsch, French, Portuguese, Spanish, Italian, Korean, Japanese, Ukrainian, Polski, Dutch, Greek, Czech, Arabic
USB Interface	2 USB 2.0 Interfaces
RS485	N/A
Power consumption	DC12V/2000mA ≤10W (Without Hard Disk)
Working Environment	-10°C-50°C, 10%-90%(humidity)
Dimension(W×D×H)	260*230*43(mm)
Weight	2kg(without HDD)