



VALUE

AX-NVR3216CP2S

16CH POE 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. 16CH
- Support (two-way) Audio
- HD Output: 4K(3840x2160)
- Video Compression : H265/H264/H265+/H264+



TECHNICAL SPECIFICATION

SYSTEM

	AX-NVR3216CP2S
Main Processor	Quad Cortex A53
Operating System	Embedded LINUX

VIDEO

Input	16CH(12MP/8MP/6MP/5MP/4MP/3MP/1080p/1280x1024/960p/720p/D1/CIF)
Output	1*HD,1*VGA

AUDIO

Input	1 Port RCA, support 16CH IPC audio input
Output	1 Port RCA(Linear, 1kΩ), HD output
Audio Bit Rate	64kbps
Audio Compression	G711U, G711A, AAC
Intercom	support (two-way)

ALARM

Sensor Input	4CH
Output	1CH
Motion Detection	16Channel, MD Zones: 396 (22 × 18)
Trigger Events	Recording, Email, FTP, Snapshot, Buzzer and Screen Tips, alarm output

DISPLAY

HD Output1	4K(3840*2160)/2K(2560*1440)/1920*1080/1280*1024/1280*720/1024*768
HD Output2	N/A
VGA	1920*1080/1280*1024/1280*720/1024*768
Display Split	16CH/13CH/10CH/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	12MP(4000*3000),8MP(3840*2160),6MP(3072*2048),5MP(2592*1944),4MP(2688*1520/2560*1440),3MP(2048*1536),1080P(1920*1080),1280x1024,960P(1280x960),720P(1280*720),960H(960x480)D1 (720*576/720*480)
Record Rate	PAL : 12MP@16CHx25fps,8MP@16CHx25fps,6MP@16CHx25fps,5MP@16CHx25fps,4MP@16CHx25fps,3MP@16CHx25fps,1080P@16CHx25fps, 960P@16CHx25fps,720P@16CHx25fps, 960H@16CHx25fps,D1@16CHx25fps NTSC: 12MP@16CHx30fps,8MP@16CHx30fps,6MP@16CHx30fps,5MP@16CHx30fps,4MP@16CHx30fps, 3MP@16CHx30fps,1080P@16CHx30fps, 960P@16CHx30fps,720P@16CHx30fps, 960H@16CHx30fps,D1@16CHx30fps
Record Mode	Manual\Timer\Motion Detection\ Alarm\Smart Event

TECHNICAL SPECIFICATION

PLAYBACK & BACKUP

	AX-NVR3216CP2S
Local Sync Playback	1CH 12MP@30fps,2CH 8MP@30fps,3CH 5MP@30fps, 4CH 4MP@30fps,8CH 1080P@30fps, 16CH 960P@30fps, 16CH 720P@30fps,16CH D1@30fps
Decode Capability	1080P(1920x1080)@240fps
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/100/1000MAdaptive Ethernet Interface
Incoming Bandwidth	160Mb
Outgoing Bandwidth	160Mb
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	16 x Independent 100Mbps POE Network Interfaces(Output power AF mode 15W per port), 45/78 line order, Total Power Output≤ 200W, Support Plug and Play, Support network cable extended mode Max. 200M
WIFI	N/A

STORAGE

Interface Type	2 SATA Hard Disk Interface (3.5" SATA)
Capacity	Up to 10 TB capacity for each HDD
eSATA	N/A

GENERAL

Language UI	Simplified Chinese, Traditional Chinese,English, Russian,Deutsch, French, Portuguese, Spanish, Italian, Korean, Japanese, Ukrainian, Polski,Dutch
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 1 × USB 2.0
RS485	N/A
Power consumption	100-240VAC , 50/60Hz ≤15W (Without Hard Disk and POE)
Working Environment	-10°C-55°C, 10%-90%(humidity)
Dimension(W×D×H)	380 x 316 x 51mm
Weight	3.48kg(without HDD)