



VALUE

AX-NVR1616CP4S

16 Channel 16PoE 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

- H.265/H.264 Codec decoding
- Max 200Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback
- HDMI/VGA simultaneous video output
- Support IPC UPnP, 16PoE ports
- Support ANR technology to enhance the storage



TECHNICAL SPECIFICATION

SYSTEM

	AX-NVR1616CP4S
Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX

DISPLAY

Resolution	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768
Interface	1 HDMI, 1 VGA
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Multi-screen Display	1/4/8/9/16

VIDEO DETECTION AND ALARM

Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Tampering
Alarm input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	4 Channel, NO/NC Programmable, Green Terminal Interface

AUXILIARY INTERFACE

USB	2 USB Ports (1 USB2.0, 1 USB3.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

AUDIO AND VIDEO

IP Camera Input	16 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
VGA	Resolution:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Display Split	16CHxD1/9CHxD1/8CHxD1/6CHxD1//4CHxD1/1CHx1080P/1CHx3MP/1CHx4MP/1CHx5MP/1CHx4k
Digital Zoom	YES
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm

RECORDING

Video Compression	H.265/H.264
Resolution	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
Record Rate	200Mbps
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Bit Rate	16Kbps ~ 20Mbps Per Channel

THIRD-PARTY SUPPORT

Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, and more
---------------------	-----------------------------------------------------------------------------------------------------------------------------------------

VALUE SERIES

TECHNICAL SPECIFICATION

PLAYBACK & BACKUP

	AX-NVR1616CP4S
Playback	1/4/8/16
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search
Backup Mode	USB Device/Network
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shutte, Backup Selection, Digital Zoom

NETWORK

Network Interface	1 RJ-45 Port(10/100/1000Mbps)
Ethernet Port	1 Independent 1000Mbps Ethernet Port
Network Functions	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Search(DVR, NVS, etc.), Easy4ip
Max. User Access	128 users
Smart Phone	iPhone, iPad, AndroidS
Interoperability	ONVIF 2.4, CGI Conformant

STORAGE

Internal HDD	4 SATA III Port, Up to 6 TB capacity for each HDD
HDD Mode	Single
eSATA	N/A

ELECTRICAL

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	NVR: <13.7W (Without HDD) PoE: Max 25.5w for single port, 150w in total

ENVIRONMENTAL

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

CONSTRUCTION

Dimensions	1.5U, 440mm×411.1mm×76mm (17.3" x 16.2" x 3.0")
Net Weight	4.7kg (10.4lb) (without HDD)
Gross Weight	7.5kg(16.5 lb)(without HDD)

CERTIFICATION

CE	EN55032, EN55024, EN50130-4, EN60950-1
FCC	Part 15 Subpart B, ANSI C63.4-2014
UL	UL60950-1+CAN/CSA C22.2 No.60950-1