

Network Video Recorder

NVR2416-256CS-AI



Features

- Support Ultra 265/H.265/H.264 video formats
- Support 96/192-channel input
- Support 2-ch HDMI, 1-ch VGA, HDMI at up to 4K (3840x2160) resolution
- Support HDMI1, HDMI2 and VGA independent outputs provided
- Support up to 8 Megapixels resolution recording
- Support redundant power supply optional
- Support HDD hot swap with RAID 0, 1, 5, 6, 10, 50, 60 storage scheme configurable
- Support 2 miniSAS Interfaces
- Support 12V power output
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

- Support N+1 Hot spare

Specifications

Model	NVR2416-256CS-AI
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	3 x 12MP@30, 5 x 4K@30, 8 x 5MP@30, 15 x 4MP@20, 20 x 3MP@20, 20 x 1080P@30, 24 x 1080P@25, 45 x 720P@30, 54 x 720P@25, 96 x D1
Decoding Capability Description	The resolution of each channel cannot exceed 4096 pixels in length or width, For VGA/HDMI independent output, the VGA live video is output by default. To output the highest resolution video from the HDMI port, please clear the VGA video on the preview page.
Audio Compression	G.711A, G.711U
Network	
Incoming Bandwidth	768 Mbps
Outgoing Bandwidth	768 Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, NFS, 802.1x, IPv6, IPv4
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+
Video/Audio Input	
IP Video Input	256-ch
RCA Audio Input	1-ch
Peripheral Input	
Ip Speaker	16-ch
POS	All channels
Video/Audio Output	
Video Output	Support 2-ch HDMI, 1-ch VGA, HDMI1 and HDMI2 and VGA independent output
HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1600 × 1200/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz
RCA Audio Output	1-ch
Liveview Display	VGA: 1/4/6/8/9/16/25/36; HDMI: 1/4/6/8/9/16/25/36/64
Corridor Mode Screen	3/4/5/7/9/10/12/16/32
Two-way Audio	
Two-way Audio	1-ch, RCA (Using the audio input and output)
Snapshot	
FTP/Schedule/Event Snapshot	Full-ch snapshot (max. 4000 × 3000 video resolution, with snapshot resolution same as the video resolution)
Recording	
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF
Synchronous Playback in Local	16-ch
Smart Function	

Smart by IPC	All channels (up to 64 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, Video Metadata, Traffic Monitoring, People Counting
Smart by NVR	Face Detection, Face Comparison, People Counting (People Flow Counting, Crowd Density Monitoring), Video Metadata, Smart Intrusion Prevention (SIP), Behavior Analysis, Evacuation Route Obstruction, Plate Comparison, Elevator Entrance Detection, Illegally Parked Motor Vehicle
Smart by NVR Analyzer Mode	Mixed Mode (Face Recognition+SIP+Behavior Analysis+People Counting), Mixed Mode (Mixed-Traffic Detection+SmartSearch/SmartTrack)
VCA Search	Face Snapshot Search, Face Comparison Search, Behavior Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, SmartSearch+, SmartSearch, SmartTrack, CoreScan
SmartSearch	
SmartvSearch Performance	All channels with SIP Camera Up to 192-ch with normal camera (192-ch 2MP, 96-ch 4MP, 48-ch 4K)
SmartTrack	
Smart Track Performance	All channels with SIP Camera Up to 192-ch with normal camera (192-ch 2MP, 96-ch 4MP, 48-ch 4K)
Core Scan	
Core Scan Performance	All channels with SIP Camera Up to 192-ch with normal camera (192-ch 2MP, 96-ch 4MP, 48-ch 4K)
Core Scan Language	English
by NVR	All channels with Face Detection Camera Up to 192-ch with normal camera (192-ch 2MP, 96-ch 4MP, 48-ch 4K)
Search by Image	Support
Plate Comparison	
Plate Library	Up to 5 plate libraries, with up to 25000 plates in total
SIP	
SIP by NVR with normal cameras	Up to 192-ch with normal camera 192-ch 2MP, 96-ch 4MP, 48-ch 4K)
Video Metadata	
Video Metadata by NVR with normal cameras	Up to 192-ch with normal camera (192-ch 2MP, 96-ch 4MP, 48-ch 4K)
Video Metadata Type	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color, Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color
Alarm	
General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Audio Detection, Alarm Input
Alert Alarm	IP Conflict, Network Disconnected, Disk Offline, Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal, High CPU Temperature, High Motherboard Temperature, Array Damaged, Array Degraded
GUI Language	
GUI Language	38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish,

	Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian
Hard Disk	
SATA	24 SATA Interfaces
Capacity	Up to 24 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size, The environment temperature for use should not exceed 40°C.)
Disk Group	Support
Redundant Storage	Support
Disk Array Type	RAID 0, 1, 5, 6, 10, 50, 60
Hot Swap	Support
External Interface	
Network Interface	4 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
USB	Front panel: 2 × USB2.0, Rear panel: 2 × USB3.0
RS485	1
RS232	1
Alarm In	24-ch
Alarm Out	8-ch
eSATA	1
miniSAS	2
Power Output	12 V
Extension Board	4
Buzzer	Support
Power Supply	AC 100 to 240 V
Power Switch	Support
Redundant Power Supply	Support
Working Environment	
Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤350W
Dimensions	
Weight (without HDD)	15KG
Height	4U
Dimensions	482mm × 559mm × 175mm (19.0" × 22.0" × 6.9")
Certification	
Certification	CE; FCC; UL; RoHS; WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC	Part15 Subpart B

Dimensions

