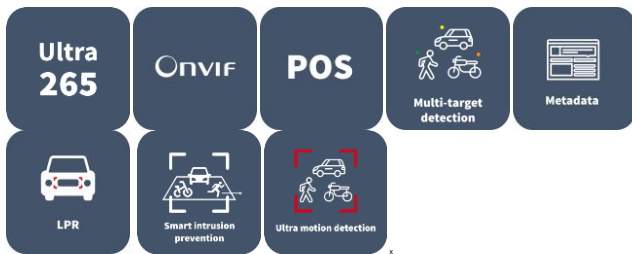


Network Video Recorder

NVR816-64CS-AI



Features

- Support Ultra H.265/H.265/H.264 video formats
- Support 16/32/64-channel input
- Support 3-ch HDMI, 1-ch VGA, HDMI1 and VGA simultaneous output, HDMI1 /VGA and HDMI2 and HDMI3 independent output.
 - Support up to 4K resolution recording
 - Support ANR technology to enhance the storage reliability when the network is disconnected
 - Support CoreScan.
 - Support external USB keyboards
 - Support SIP, Video Metadata, , Plate Comparison, People Counting, Face Detection by NVR
- Support cloud upgrade

Specifications

Model	NVR816-64CS-AI
Decoding	
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	Smart Off: H265: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 32 x 720P@30, 64 x D1@30 H264: 6 x 4K@30, 8 x 6MP@30, 10 x 5MP@30, 12 x 4MP@30, 16 x 3MP@30, 25 x 1080P@30, 32 x 720P@30, 64 x D1@30 Smart On: When Smart by NVR on, the decoding capacity is same as Smart off.
Decoding Capability Description	The resolution of each channel cannot exceed 8192 pixels in length or width
Audio Compression	G.711A, G.711U
Network	
Incoming Bandwidth	384 Mbps
Outgoing Bandwidth	384 Mbps
Max Users Can Be Added	32
Remote Users	128
Protocols	TCP/IP, P2P, SMTP, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, IPv6, IPv4, HTTPS, SNMP
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+
Video/Audio Input	
IP Video Input	64-ch
BNC Audio Input	N/A
RCA Audio Input	1-ch
3.5mm Audio Input	N/A
Peripheral Input	
Ip Speaker	16-ch
POS	All channels
Video/Audio Output	
Video Output	Support 3-ch HDMI, 1-ch VGA, HDMI1 and VGA simultaneous output, HDMI1 /VGA and HDMI2 and HDMI3 independent output.
HDMI Output	4K (3840 × 2160)/60 Hz, 4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1280 × 720/60 Hz
VGA Output	1920 × 1080/60 Hz, 1280 × 720/60 Hz
HDMI Standard	HDMI1.4
BNC Audio Output	N/A
RCA Audio Output	3-ch
Liveview Display	HDMI1 and VGA: 1/4/6/8/9/16/25/36/64 HDMI2: 1/4/6/8/9/16/25/36 HDMI3: 1/4/6/8/9/16/25/36
Default Num of Live Screen	HDMI1 and VGA: 64; HDMI2: 36; HDMI3: 36

Corridor Mode Screen	3/4/5/7/9/10/12/16/32
3.5mm Audio Output	N/A
Playback Screen	1/4/9/16
Corridor Mode Screen of Playback	1/3
Two-way Audio	
Two-way Audio	1-ch, RCA (Using the audio input and output)
Recording	
Recording Resolution	32 MP/16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF
Num of Concurrent Playback	32-ch
Synchronous Playback in Local	16-ch
Smart Function	
Smart by IPC	All channels (up to 16 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, Smart Intrusion Prevention (SIP), Video Metadata, Plate Comparison, Illegally Parked Motor Vehicle, People Counting (People Flow Counting, Crowd Density Monitoring), Behavior Analysis, Elevator Entrance Detection, Evacuation Route Obstruction
Smart by NVR Analyzer Mode	Mixed Mode (SIP+Behavior Analysis+People Counting), Mixed Mode (Face Recognition+Mixed-Traffic Detection+SmartSearch/SmartTrack), Modes cannot active simultaneously, only one mode can active at a time.
VCA Search	SmartSearch, SmartTrack, Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Behavior Search, Heat Map
CoreScan	
CoreScan Performance	All channels with Camera, Up to 16-ch with normal camera
CoreScan Language	English
by NVR	Up to 32-ch with Face Detection Camera Up to 16-ch with normal camera
Search by Image	Support
SIP	
SIP by NVR with normal cameras	Up to 16-ch with normal camera (16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Video Metadata	
Video Metadata by NVR with normal cameras	Up to 16-ch with normal camera (16-ch 2MP, 8-ch 4MP, 4-ch 4K)
Video Metadata Type	Motor Vehicle: Vehicle Type, Vehicle Color, Vehicle Brand, Direction, Plate Type, Plate Color, Human Body: Gender, Age, Mask, Hairstyle, Bag Style, Direction, Upper Garment Length, Lower Garment Length, Upper Garment Color, Lower Garment Color, Non-Motor Vehicle: Non-Motor Vehicle Type, Direction, Gender, Age, Upper Garment Length, Upper Garment Color
Plate Comparison	
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
Capacity of Smart Snapshots	

Capacity of Snapshot Records	2 millions records for SIP, 2 millions records for vehicle snapshot, 3 millions records for face snapshot
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: 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	4 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	N/A
External Interface	
Network Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet Interface
Network Working Mode	Muli-access, load balance, network fault-tolerance
USB	Front panel: 2 × USB2.0, Rear panel: 2 × USB3.0
RS485	1
RS232	1
Alarm In	16-ch
Alarm Out	10-ch
eSATA	1
miniSAS	N/A
miniSAS HD	N/A
Power Output	12 V
Extension Board	1
Buzzer	Support
Power Supply	AC 220 V
Power Switch	Support
Redundant Power Supply	N/A
PoE	
PoE Interface	N/A
Max Power	N/A
Supported Standard	N/A
Working Environment	
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)

Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤50W
Heat Dissipation	Fan, Radiator
Certification	
Certification	CE; FCC; UL; RoHS; WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130
FCC	Part15 Subpart B
Compliance	
NDAA Compliant	Support
Feature Supported	
Cruise Lines Num of Each Camera	4
Preset Num	32
N+1 Hot Spare	N/A
Fisheye Dewarping by IPC	Support
Dual-lens Cameras	Support
Box-Dome Linkage	Support
ANR	Support
Downlink ONVIF	Support (Profile S)
Uplink ONVIF	N/A
Video Image Database (Uplink)	Support
UCS (Web socket)	Support
NAS	Support
Smartcode Basic Mode	Support
Smartcode Advanced Mode	Support
Output Mode	N/A

Dimensions

