

# Network Video Recorder NVR301-08E-P8-IQ



## Features

- Support Ultra H.265/H.265/H.264 video formats
- Support Plug & Play with 8 independent PoE network interfaces
- Support 1-ch HDMI, 1-ch VGA. HDMI up to 4K (3840x2160) resolution
- Support HDMI and VGA simultaneous output
- Support up to 12 Megapixels resolution recording
- Support SeekFree function: up to 8-ch with UNV Face/SIP/UMD IPC
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

## Specifications

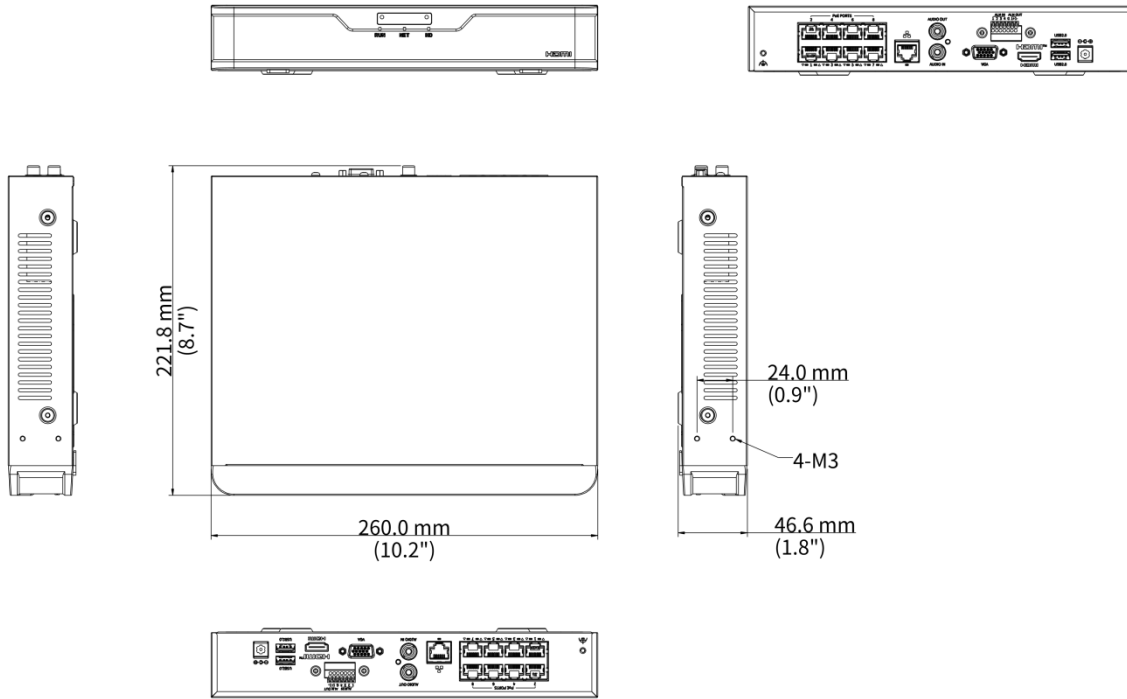
Model	NVR301-08E-P8-IQ
<b>Decoding</b>	
Decoding Format	Ultra 265, H.265, H.264
Decoding Capability	Smart Off: 1 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30
Decoding Capability Description	The resolution of each channel cannot exceed 8192 pixels in length and 4096 pixels in width
Audio Compression	G.711A, G.711U
<b>Network</b>	
Incoming Bandwidth	80 Mbps
Outgoing Bandwidth	80 Mbps
Max Users Can Be Added	32
Max Remote Users	128
Protocols	TCP/IP, P2P, SMTP, NFS, RTSP, UPnP, NTP, DHCP, PPPoE, HTTP, DNS, DDNS, IPv6, IPv4, HTTPS
Browser (Plugin)	Chrome 45+, Edge 79+, Firefox 52+
Browser (Plugin-Free)	Chrome 57+, Edge 16+, Firefox 58+, Safari 11+
<b>Video/Audio Input</b>	
IP Video Input	8-ch
RCA Audio Input	1-ch
<b>Peripheral Input</b>	
Ip Speaker	16-ch
POS	All channels
<b>Video/Audio Output</b>	
Video Output	Support 1-ch HDMI, 1-ch VGA, HDMI and VGA simultaneous output
HDMI Output	4K (3840 × 2160)/30 Hz, 1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1280 × 720/60 Hz,
VGA Output	1920 × 1080/60 Hz, 1920 × 1080/50 Hz, 1280 × 720/60 Hz
HDMI Standard	HDMI1.4
BNC Audio Output	N/A
RCA Audio Output	1-ch
Liveview Display	1/4/6/8/9
Default Num of Live Screen	9
Corridor Mode Screen	3/4/5/7/9
Playback Screen	1/4/9
Corridor Mode Screen of Playback	1/3
<b>Two-way Audio</b>	
Two-way Audio	1-ch, RCA (Using the audio input and output)
<b>Recording</b>	
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF
Num of Concurrent Playback	16-ch

Synchronous Playback in Local	8-ch
<b>Smart Function</b>	
Smart by IPC	All channels (up to 8 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), Temperature Detection, SIP, UMD, Video Metadata, Traffic Monitoring
Smart by NVR	Face Detection, Face Comparison, Smart Intrusion Prevention (SIP), Ultra Motion Detection (UMD)
Smart by NVR Analyzer Mode	Single Mode (Face Recognition), Single Mode (SIP), Single Mode (UMD), Single Mode (AcuSearch/AcuTrack), Modes cannot active simultaneously, only one mode can active at a time.
VCA Search	Face Snapshot Search, Face Comparison Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search, General Search, People Counting Report, Heat Map
<b>AcuSearch</b>	
Acu Search Performance	All channels with UNV SIP/UMD Camera
<b>AcuTrack</b>	
Acu Track Performance	All channels with UNV SIP/UMD Camera
<b>SeekFree</b>	
SeekFree Performance	All channels with UNV SIP/UMD Camera
SeekFree Language	English
<b>face detection</b>	
face detection by NVR	Up to 4-ch with UNV Face Detection Camera, Up to 1-ch with normal camera (UNV and Third-part brand, 1-ch 2MP)
Search by Image	Support
<b>Plate Comparison</b>	
Vehicle Number Library	Up to 5 vehicle picture libraries, with up to 25,000 vehicle pictures in total
<b>SIP</b>	
SIP by NVR with normal cameras	Up to 2-ch with normal camera (UNV and Third-part brand, 2-ch 2MP, 1-ch 4MP)
<b>UMD</b>	
UMD by NVR with normal cameras	Up to 4-ch with normal camera (UNV and Third-part brand, 4-ch 2MP, 2-ch 4MP, 1-ch 4K)
<b>analysis</b>	
analysis with normal cameras	N/A
analysis Type	N/A
<b>Video Metadata</b>	
Video Metadata by NVR with normal cameras	N/A
Video Metadata Type	N/A
<b>Capacity of Smart Snapshots</b>	
Capacity of Snapshot Records	500 thousand records for face snapshot, 500 thousand records for vehicle snapshot, 500 thousand records for SIP
<b>Alarm</b>	
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
<b>GUI Language</b>	
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
<b>Hard Disk</b>	
SATA	1 SATA Interface
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	N/A
Redundant Storage	N/A
Disk Array Type	N/A
Hot Swap	N/A
<b>External Interface</b>	
Network Interface	1 RJ45 10 M/100 M self-adaptive Ethernet Interface
Network Working Mode	Single port, not involved
USB	Rear panel: 2 × USB2.0
RS485	N/A
RS232	N/A
Alarm In	4-ch
Alarm Out	1-ch
eSATA	N/A
miniSAS	N/A
Extension Board	N/A
Power Output	N/A
Buzzer	Support
Power Supply	DC 52 V/1.8 A
Power Switch	N/A
Redundant Power Supply	N/A
<b>PoE</b>	
PoE Interface	8 RJ45 10 M/100 M self-adaptive Ethernet Interface
Max Power	Max 30 W for single port, Max 75 W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af
<b>Working Environment</b>	
Working Temperature	-10 °C to 50 °C (14 °F to 122 °F)
Working Humidity	≤ 95% RH (non-condensing)
Power Consumption (without HDD)	≤ 15W
Heat Dissipation	Radiator
<b>Dimensions</b>	

Weight (without HDD)	≤ 0.98Kg (2.17lb)
Height	1U
Dimensions	260mm x 215mm x 46.6mm (10.2"×8.5"×1.8")
<b>Certification</b>	
Certification	CE; FCC; UL; RoHS; WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 50130
FCC	Part15 Subpart B
<b>Feature Supported</b>	
Cruise Lines Num of Each Camera	4
Preset Num	32
N+1 Hot Spare	N/A
Fisheye Dewarping by IPC	Support
Fisheye Dewarping by NVR (Local)	N/A
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)	N/A
NAS	N/A
Ucode Basic Mode	Support
Ucode Advanced Mode	Support
Output Mode	Support
<b>Compliance</b>	
NDAA Compliant	Support
<b>Others</b>	
Decoding Capability (1080P)	10

# Dimensions



# Unlimited New View

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