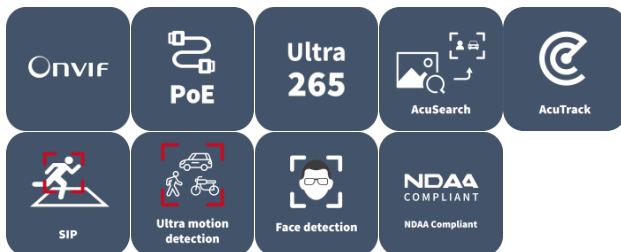


# Network Video Recorder NVR301-B-LP-IQ Series



## Features

- Support Ultra 265/H.265/H.264 video formats
- Support 4/8/16-channel input
- Support Plug & Play with 4/8 independent PoE network interfaces
- Support HDMI and VGA simultaneous output
- Support up to 12 Megapixels resolution recording
- Support ANR technology to enhance the storage reliability when the network is disconnected
- Support cloud upgrade

## Specifications

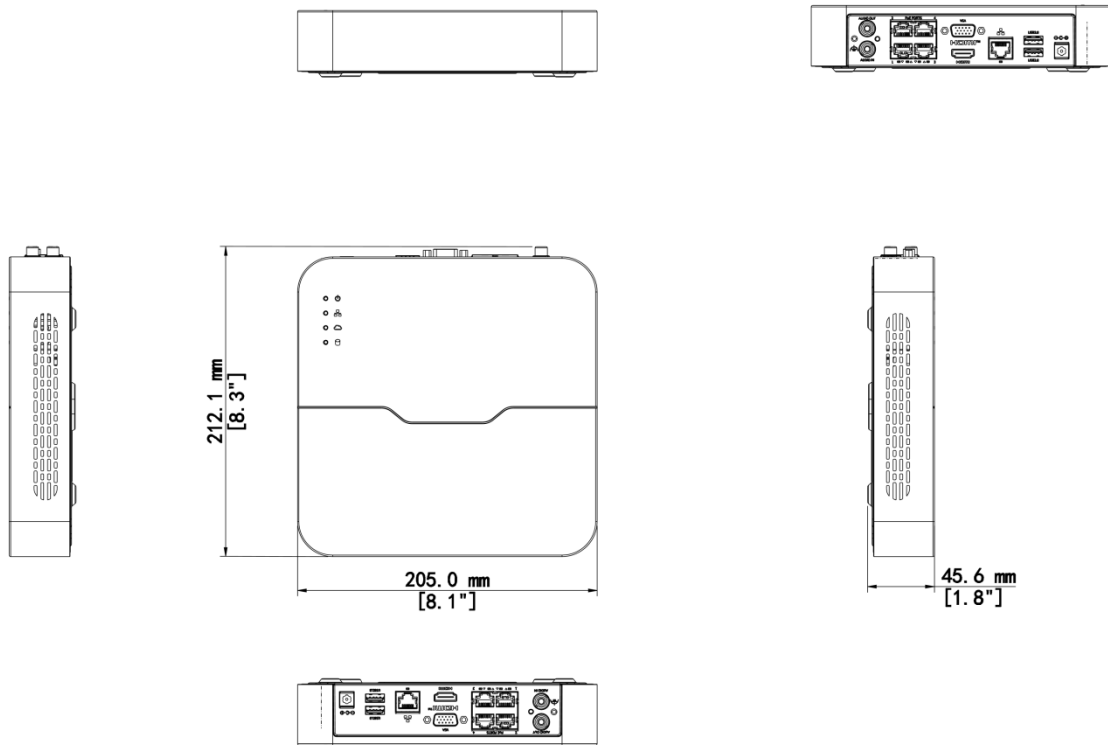
Model	NVR301-04B-LP4-IQ	NVR301-08B-LP8-IQ	NVR301-16B-LP8-IQ
<b>Decoding</b>			
Decoding Format	Ultra 265,H.265,H.264		
Decoding Capability	Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30 Smart On: 2 x 4K@30, 4 x 4MP@30	Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30	Smart Off: 2 x 12MP@30, 2 x 4K@30, 4 x 4MP@30, 10 x 1080P@30, 16 x 720P@30 Smart On: 2 x 4K@30, 4 x 4MP@30, 8 x 1080P@30, 16 x 720P@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		
Remote Users	128		
Protocols	TCP/IP, P2P, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, RTSP, IPv6, IPv4, 802.1x, UPnP		
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+		
<b>Video/Audio Input</b>			
IP Video Input	4-ch	8-ch	16-ch
RCA Audio Input	1-ch		
<b>Peripheral Input</b>			
Ip Speaker	16-ch		
POS	All channels		
<b>Video/Audio Output</b>			
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		
VGA Output	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	1/4	1/4/6/8/9	1/4/6/8/9/16
Corridor Mode Screen	3/4	3/4/5/7/9	3/4/5/7/9/10/12/16
<b>Two-way Audio</b>			
Two-way Audio	1-ch,RCA(Using the audio input and output)		
<b>Snapshot</b>			
FTP/Schedule/Event Snapshot	4-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution)		
<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		

<b>Smart Function</b>			
Smart by IPC	All channels (up to 8 images/s in total) Face Detection, Face Comparison, Vehicle Detection (LPR), SIP, UMD, 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	AcuSearch, AcuTrack, 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		
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)	Up to 8-ch with UNV Face Detection Camera Up to 1-ch with normal camera (UNV and Third-part brand, 1-ch 2MP)	Up to 8-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>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>Alarm</b>			
General Alarm	Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, Motion Detection, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection		
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 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 35°C.)		
<b>External Interface</b>			
Network Interface	1 RJ45 10 M/100 M self-adaptive Ethernet Interface		
USB	Rear panel: 1 × USB2.0, 1 × USB3.0		

RS485	N/A		
RS232	N/A		
Alarm In	N/A		
Alarm Out	N/A		
Power Supply	DC 48 V/1.35 A	DC 52 V/1.8 A	DC 52 V/1.8 A
Power Switch	N/A		
<b>PoE</b>			
PoE Interface	4 RJ45 10 M/100 M self-adaptive Ethernet Interface	8 RJ45 10 M/100 M self-adaptive Ethernet Interface	8 RJ45 10 M/100 M self-adaptive Ethernet Interface
Max Power	Max 30W for single port,Max 50W in total	Max 30W for single port,Max 75W in total	Max 30W for single port,Max 75W in total
Supported Standard	IEEE 802.3at,IEEE 802.3af		
<b>Working Environment</b>			
Working Temperature	-10 °C ~ +55 °C (+14 °F ~ +131 °F)		
Working Humidity	≤ 90% RH (non-condensing)		
Power Consumption (without HDD)	≤ 12W		
<b>Dimensions</b>			
Weight (without HDD)	≤ 2.7Kg (6.0lb)	≤ 4Kg (8.8lb)	≤ 4Kg (8.8lb)
Height	1U		
Dimensions	205mm × 212mm × 46mm (8.1"×8.3"×1.8")	270mm × 212mm × 46mm (10.6"×8.3"×1.8")	270mm × 212mm × 46mm (10.6"×8.3"×1.8")
<b>Certification</b>			
Certification	CE; FCC; UL; RoHS; WEEE		
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035		
FCC	Part15 Subpart B		
<b>Compliance</b>			
NDA Compliant	Support		

## Dimensions

Aggregate product size diagram using NVR301-04B-LP4-IQ as an example



浙江宇视科技有限公司

- <http://www.uniview.com>
- [overseasbusiness@uniview.com](mailto:overseasbusiness@uniview.com); [globalsupport@uniview.com](mailto:globalsupport@uniview.com)
- South Tower, Building 10, Wanlun Science Park, 88 Jiangling Road, Hangzhou, P.R.China



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.  
\*Product specifications and availability are subject to change without notice.  
\*Despite our best efforts, technical or typographical errors may exist in this document.  
Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.