UNV

Network Video Recorder
NVR501-B-LP Series

Onvif | PoE | Ultra 265 | NDAA COMPLIANT / NDAA Compliant

Features

- Support Ultra265/H.265/H.264 video formats
- 4/8-channel input
- Plug & Play with 4/8 independent PoE network interfaces
- Support HDMI and VGA simultaneous output
- Up to 16 Megapixels resolution recording
- ANR technology to enhance the storage reliability when the network is disconnected
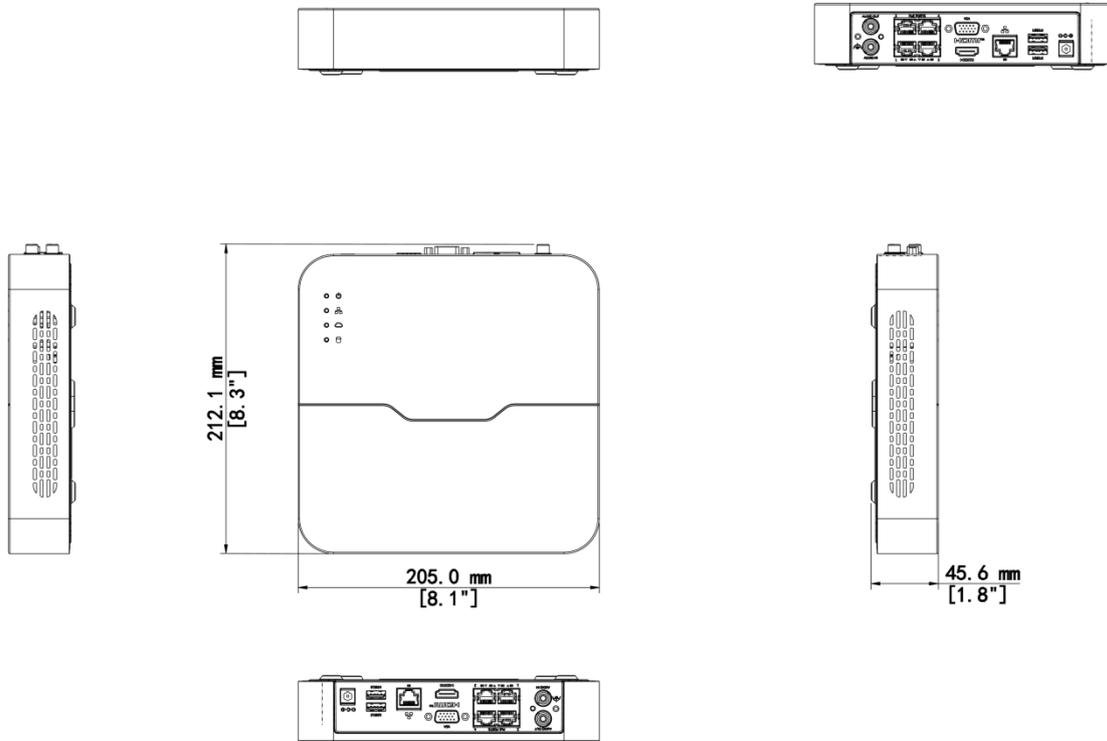- Support cloud upgrade

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Specifications

Model	NVR501-04B-LP4	NVR501-08B-LP8
Decoding		
Decoding Format	Ultra 265, H.265, H.264	
Decoding Capability	Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30 H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30	Ultra 265/H.265: 2 x 16MP@30, 2 x 12MP@30, 4 x 4K@30, 6 x 5MP@30, 8 x 4MP@30 H.264: 2 x 16MP(4800*2688)@30, 2 x 12MP@30, 2 x 4K@30, 4 x 5MP@30, 6 x 4MP@30, 8 x 3MP@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	
Network		
Incoming Bandwidth	80 Mbps	
Outgoing Bandwidth	64 Mbps	
Remote Users	128	
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP, RTSP, IPv6, IPv4	
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	
Video/Audio Input		
IP Video Input	4-ch	8-ch
RCA Audio Input	1-ch	
Video/Audio 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	
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
Corridor Mode Screen	3/4	3/4/5/7/9
Two-way Audio		
Two-way Audio	1-ch, RCA (Using the audio input and output)	
Snapshot		
FTP/Schedule/Event Snapshot	4-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution)	
Recording		
Recording Resolution	16 MP/12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF	
Synchronous Playback in Local	4-ch	8-ch
Smart		
Smart by IPC	Total 4-ch(Face Detection, SIP, UMD)	Total 8-ch(Face Detection, SIP, UMD)
VCA Search	Face Snapshot Search, Motor Vehicle Search, Non-Motor Vehicle Search, Human Body Search,	

	General Search, People Counting Report, Heat Map	
Alarm		
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	
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	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 35℃.)	
External Interface		
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
PoE		
PoE Interface	4 RJ45 10 M/100 M self-adaptive Ethernet Interface	8 RJ45 10 M/100 M self-adaptive Ethernet Interface
Max Power	Max 30 W for single port, Max 50 W in total	Max 30 W for single port, Max 75 W in total
Supported Standard	IEEE 802.3at, IEEE 802.3af	
Working Environment		
Working Temperature	-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)	
Working Humidity	≤ 90% RH (non-condensing)	
Power Consumption (without HDD)	≤ 10W	
Dimensions		
Weight (without HDD)	≤ 0.8Kg (1.76lb)	≤ 0.9Kg (1.98lb)
Dimensions	205mm × 212mm × 46mm (8.1"×8.3"×1.8")	
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
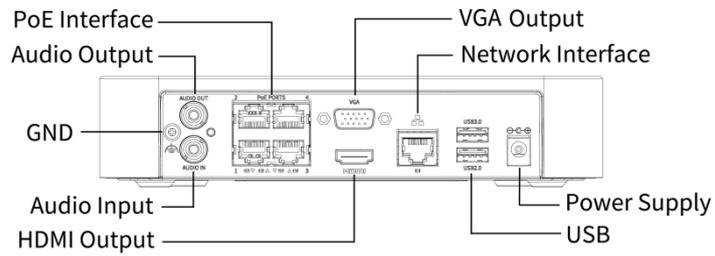
Aggregate product size diagram using NVR501-04B-LP4 as an example

212. 1 mm
[8. 3"]

205. 0 mm
[8. 1"]

45. 6 mm
[1. 8"]

Rear Panel

[NVR501-08B-LP8]

Audio Output

PoE Interface

VGA Output

USB

GND

Network Interface

Audio Input

Power Supply

HDMI Output

[NVR501-04B-LP4]

PoE Interface ──────────────────────── VGA Output
Audio Output ──────────────────────── Network Interface

GND ────────────────

Audio Input ────────
HDMI Output ───────── Power Supply
                      USB
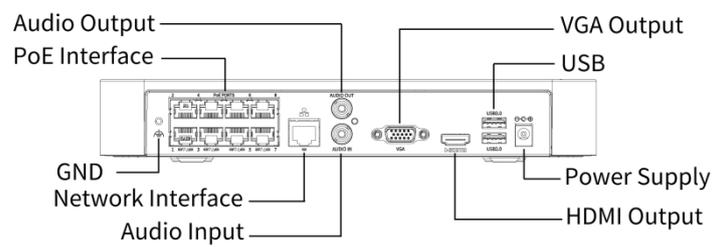
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