Network Video Recorder

NVR301-S3-P Series

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

Features

- Support Ultra 265/H.265/H.264 video formats
- 4/8/16-channel input
- Plug & Play with 4/8 independent PoE network interfaces
- Support 1-ch HDMI, 1-ch VGA, HDMI up to 4K (3840x2160) resolution
- HDMI and VGA simultaneous output
- Up to 4K resolution recording
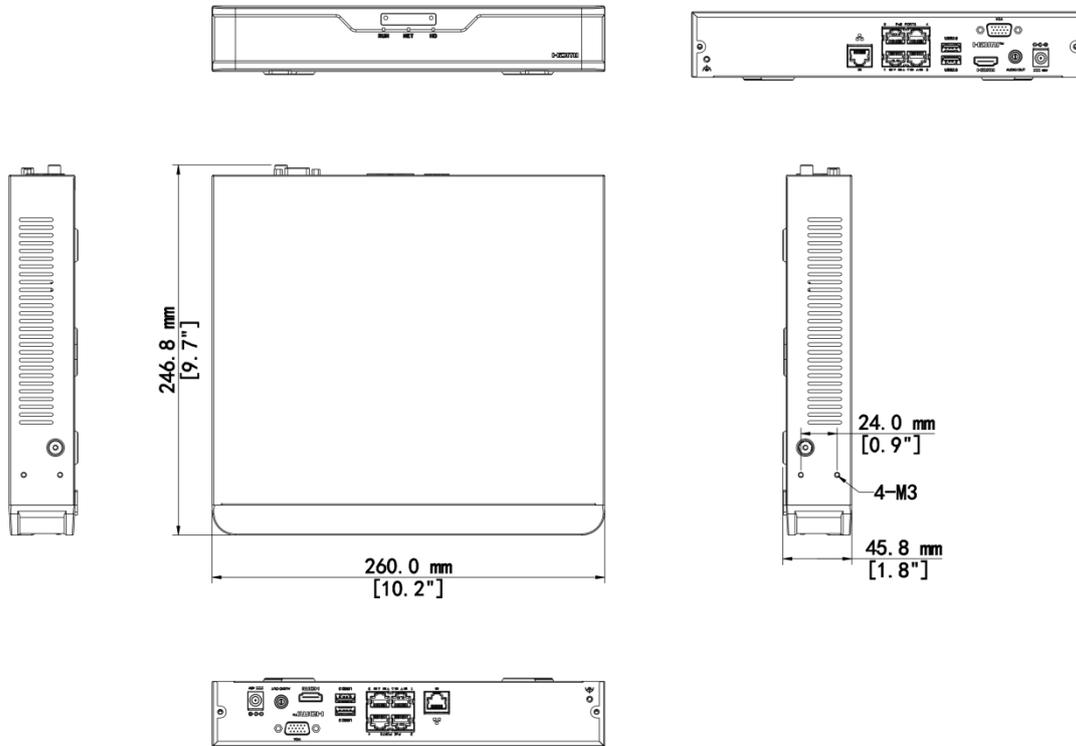- Support cloud upgrade

Specifications

Model	NVR301-04S3-P4	NVR301-08S3-P8	NVR301-16S3-P8
Decoding			
Decoding Format		Ultra 265, H.265, H.264	Ultra 265, H.265, H.264
Decoding Capability		1 x 4K@30, 4 x 5MP@25, 4 x 4MP@25, 4 x 3MP@25, 6 x 1080P@30, 8 x 720P@30	1 x 4K@30, 4 x 5MP@25, 4 x 4MP@25, 4 x 3MP@25, 4 x 1080P@30, 8 x 720P@30, 16 x D1@25
Decoding Capability Description		The resolution of each channel cannot exceed 4000 pixels in length and 3000 pixels in width	
Audio Compression		G.711A, G.711U	G.711A, G.711U
Network			
Incoming Bandwidth		64 Mbps	64 Mbps
Outgoing Bandwidth		48 Mbps	48 Mbps
Remote Users		128	128
Protocols		TCP/IP|P2P|UPnP|NTP|DHCP|PPPoE|HTTP|HTTPS|DNS|DDNS|SMTP|RTSP|IPv4	TCP/IP|P2P|UPnP|NTP|DHCP|PPPoE|HTTP|HTTPS|DNS|DDNS|SMTP|RTSP
Browser (Plugin)		IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	Windows:IE(IE10/11), Firefox (version 52.0 and above), Chrome(version 45 and above), Edge(version 79 and above)
Video/Audio Input			
IP Video Input		8-ch	16-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	HDMI:4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
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	VGA:1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
RCA Audio Output		1-ch	1-ch

Liveview Display		1/4/6/8/9	1/4/6/8/9/16
Corridor Mode Screen		3/4/5/7/9	3/4/5/7/9/10/12/16
Snapshot			
FTP/Schedule/Event Snapshot		1-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution)	1-ch snapshot, up to D1 resolution
Recording			
Recording Resolution		8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF /CIF	8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF /CIF
Synchronous Playback in Local		8-ch	16-ch
Smart			
VCA Detection by IPC			Face Detection|SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area)|Ultra Motion Detection (UMD)
Smart by IPC		Total 4-ch(Face Detection, SIP, UMD)	Total 4-ch(Face Detection, SIP, UMD)
VCA Search		Face Snapshot Search|Behavior Search	Face Snapshot Search|Behavior Search
Alarm			
General Alarm		Auto Tracking|Motion Detection|Tampering|Human Body Detection|Video Loss|Alarm Input|Audio Detection	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	IP Conflict|Network Disconnected|Disk Offline|Disk Abnormal|Illegal Access|Hard Disk Space Low|Hard Disk Full|Recording/Snapshot Abnormal
GUI Language			
GUI Language		21 languages: Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak,	

		Russian, Hebrew, Arabic, Ukrainian	
Hard Disk			
SATA		1 SATA Interface	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℃.)	Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature)
External Interface			
Network Interface		1 RJ45 10 M/100 M self-adaptive Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet Interface
USB		Rear panel: 2 × USB2.0	Rear panel: 2 × USB2.0
RS485		N/A	N/A
RS232		N/A	N/A
Alarm In		N/A	N/A
Alarm Out		N/A	N/A
Power Supply		DC 52 V/1.8 A	DC 52 V/1.8 A
PoE			
PoE Interface		8 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 75 W in total	Max 30 W for single port, Max 75 W in total
Supported Standard		IEEE 802.3at, IEEE 802.3af	IEEE 802.3at, IEEE 802.3af
Working Environment			
Working Temperature		-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)	-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)
Working Humidity		≤ 90% RH (non-condensing)	≤ 90% RH (non-condensing)
Power Consumption (without HDD)		≤ 9W	≤ 9W
Dimensions			
Weight (without HDD)		≤ 1.1Kg (2.43lb)	≤ 1.1Kg (2.43lb)
Dimensions		260mm × 240mm × 46mm (10.2"×9.4"×1.8")	260mm × 240mm × 46mm (10.2"×9.4"×1.8")
Certification			
Certification		CE; FCC; UL; RoHS; WEEE	CE; FCC; UL; RoHS; WEEE
CE		EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035	EN 55032, EN 61000-3-3, EN IEC 61000-3-2, EN 55035
FCC		Part15 Subpart B	Part15 Subpart B

Dimensions

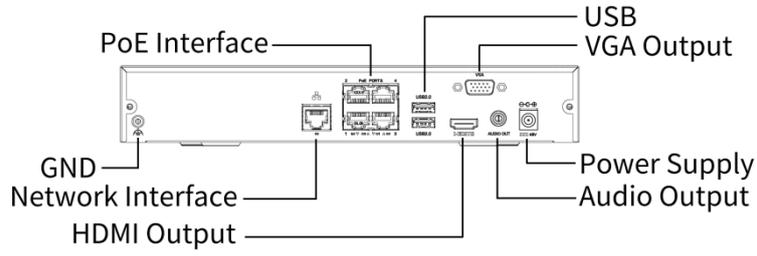Aggregate product size diagram using NVR301-04S3-P4 as an example

Accessories

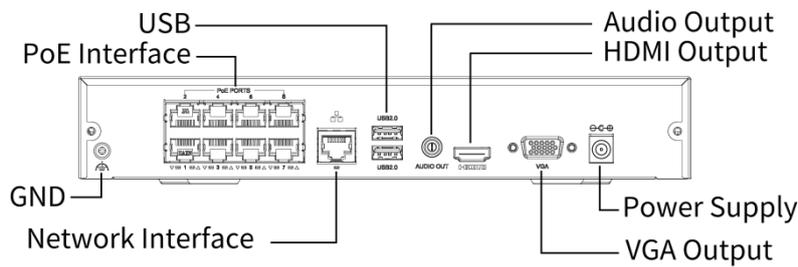**RM-1U-260**

1 HDD 1U NVR Rack Mount

Rear Panel

[NVR301-04S3-P4]

PoE Interface
USB
VGA Output
GND
Network Interface
HDMI Output
Power Supply
Audio Output

[NVR301-08/16S3-P8]

USB
PoE Interface
Audio Output
HDMI Output
GND
Network Interface
Power Supply
VGA Output