

# Network Video Recorder NVR301-Z3-P Series



## 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	NVR301-04Z3-P4	NVR301-08Z3-P8	NVR301-16Z3-P8
Decoding	Ultra 265, H.265, H.264		
Decoding Format	Ultra 265, H.265, H.264		
Decoding Capability	1 x 4K@30, 4 x 5MP@25, 4 x 4MP@25, 4 x 3MP@25	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	The resolution of each channel cannot exceed 4000 pixels in length and 3000 pixels in width	

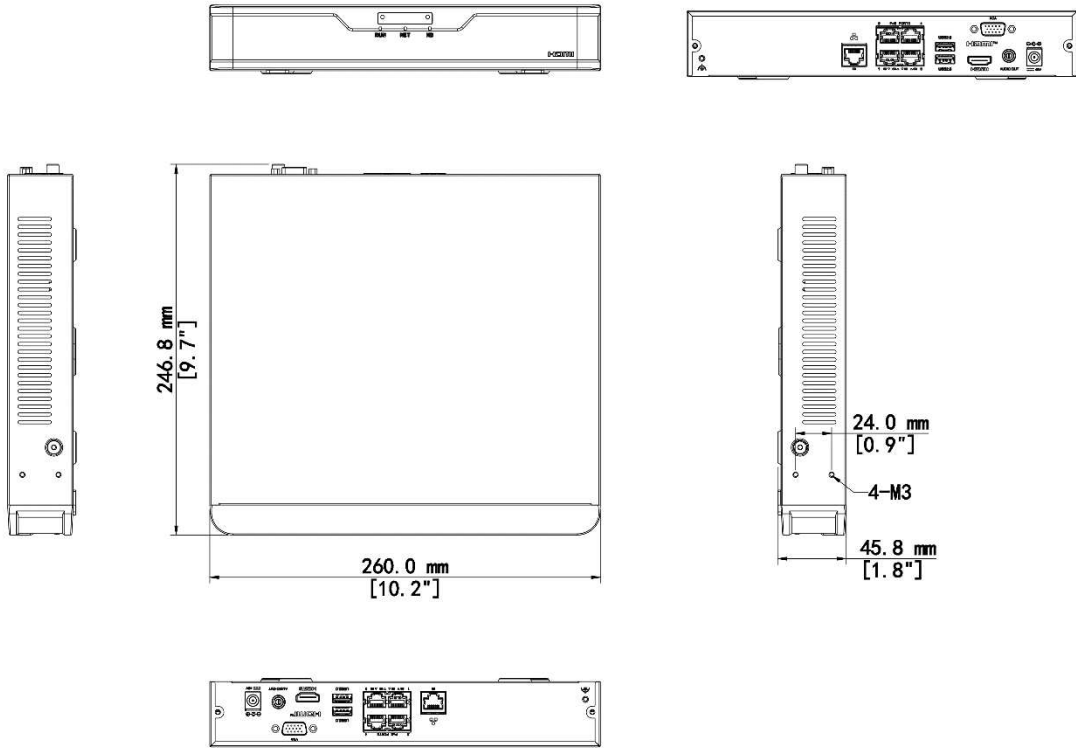
Audio Compression	G.711A, G.711U		
<b>Network</b>			
Incoming Bandwidth	64 Mbps		
Outgoing Bandwidth	48 Mbps		
Remote Users	128		
Protocols	TCP/IP P2P UPnP NTP DHCP PPPoE HTTTP HTTPS DNS DDNS SMTP RTSP IPv4	TCP/IP P2P UPnP NTP DHCP PPPoE HTTTP HTTPS DNS DDNS SMTP RTSP IPv4	TCP/IP P2P UPnP NTP DHCP PPPoE HTTTP HTTPS DNS DDNS SMTP RTSP
Browser (Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	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)
<b>Video/Audio Input</b>			
IP Video Input	4-ch	8-ch	16-ch
<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	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	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		
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>Snapshot</b>			
FTP/Schedule/Event	1-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution)	1-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution)	1-ch snapshot, up to D1 resolution

Snapshot			
<b>Recording</b>			
Recording Resolution	8 MP/6 MP/5 MP/4 MP/3 MP/1080P/960P/720P/D1/2CIF/CIF		
Synchronous Playback in Local	4-ch	8-ch	16-ch
<b>Smart</b>			
VCA Detection by IPC	Face Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD)		
VCA Search	Face Snapshot Search, Behavior Search		
Smart by IPC	Total 4-ch(Face Detection, SIP, UMD)		
<b>Alarm</b>			
General Alarm	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	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	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	
<b>Hard Disk</b>			
SATA	1 SATA Interface		
Capacity	Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size)	Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size)	Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature)
<b>External Interface</b>			
Network Interface	1 RJ45 10 M/100 M self-adaptive Ethernet Interface		
USB	Rear panel: 2 × USB2.0		
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
PoE			
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 30 W for single port, Max 54 W in total	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		
Working Environment			
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)		
Working Humidity	≤ 90% RH (non-condensing)		
Power Consumption (without HDD)	≤ 9W		
Dimensions			
Weight (without HDD)	≤ 1.1Kg (2.43lb)		
Dimensions	260mm × 240mm × 46mm (10.2"×9.4"×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 NVR301-04S3-P4 as an example



## Accessories

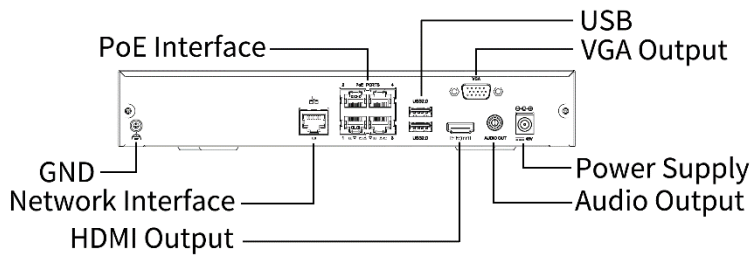
### RM-1U-260

1 HDD 1U NVR Rack Mount

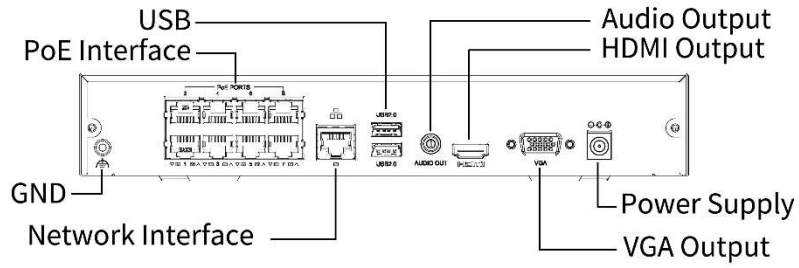


## Rear Panel

[NVR301-04S3-P4]




[NVR301-08/16S3-P8]



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