

# Network Video Recorder

## NVR301-S3-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 mainstream cameras of ONVIF conformance (Profile S, Profile G, Profile T), and RTSP protocols
- 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
- Support failover N+1
- Support ARB

## Specifications

Model	NVR301-04S3-P4	NVR301-08S3-P8	NVR301-16S3-P8
Decoding			
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		
Network			
Incoming Bandwidth	64 Mbps		
Outgoing Bandwidth	48 Mbps		
Remote Users	128		
Protocols	TCP/IP UDP/IP RTP(UDP/TCP) ICMP IGMP ARP SNMP P2P UPnP NTP DHCP PPPoE HTTP HTTPS DNS DDNS SMTP RTSP IPv4 IPv6	TCP/IP UDP/IP RTP(UDP/TCP) ICMP IGMP ARP SNMP P2P UPnP NTP DHCP PPPoE HTTP HTTPS DNS DDNS SMTP RTSP IPv4 IPv6	TCP/IP UDP/IP RTP(UDP/TCP) ICMP IGMP ARP SNMP P2P UPnP NTP DHCP PPPoE HTTP 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)
Security	IP Address Filtering, User Access Log, 801.x Encryption, Device Certificate, Signed Firmware		
Video/Audio Input			
IP Video Input	4-ch	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	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		
Two-way Audio	Support		
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
Snapshot			
FTP/Schedule/Event Snapshot	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		
Recording Mode	Normal, Dual Stream, Scheduling, Event, Bookmarking		
Synchronous Playback in Local	4-ch	8-ch	16-ch
Operating System			
Operating System	Embedded Linux		
Smart			
VCA Detection by IPC	Face Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD), Video Analytics, Deofocus Detection		
VCA Search	Face Snapshot Search, Behavior Search		
Smart by IPC	Total 4-ch(Face Detection, SIP, UMD)		
Alarm			

General Alarm	Auto Tracking, Sensor, 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		
Action Alarm	Event Push, PTZ Preset, Buzzer, Monitor-Out, E-mail, Alarm-Out		
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	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		
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)
External Interface			
Network Interface	1 RJ45 10M/100M 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 10M/100M self-adaptive Ethernet Interface	8 RJ45 10M/100M self-adaptive Ethernet Interface	8 RJ45 10M/100M self-adaptive Ethernet Interface
Max Power	Max 30W for single port, Max 54W 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		

## 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

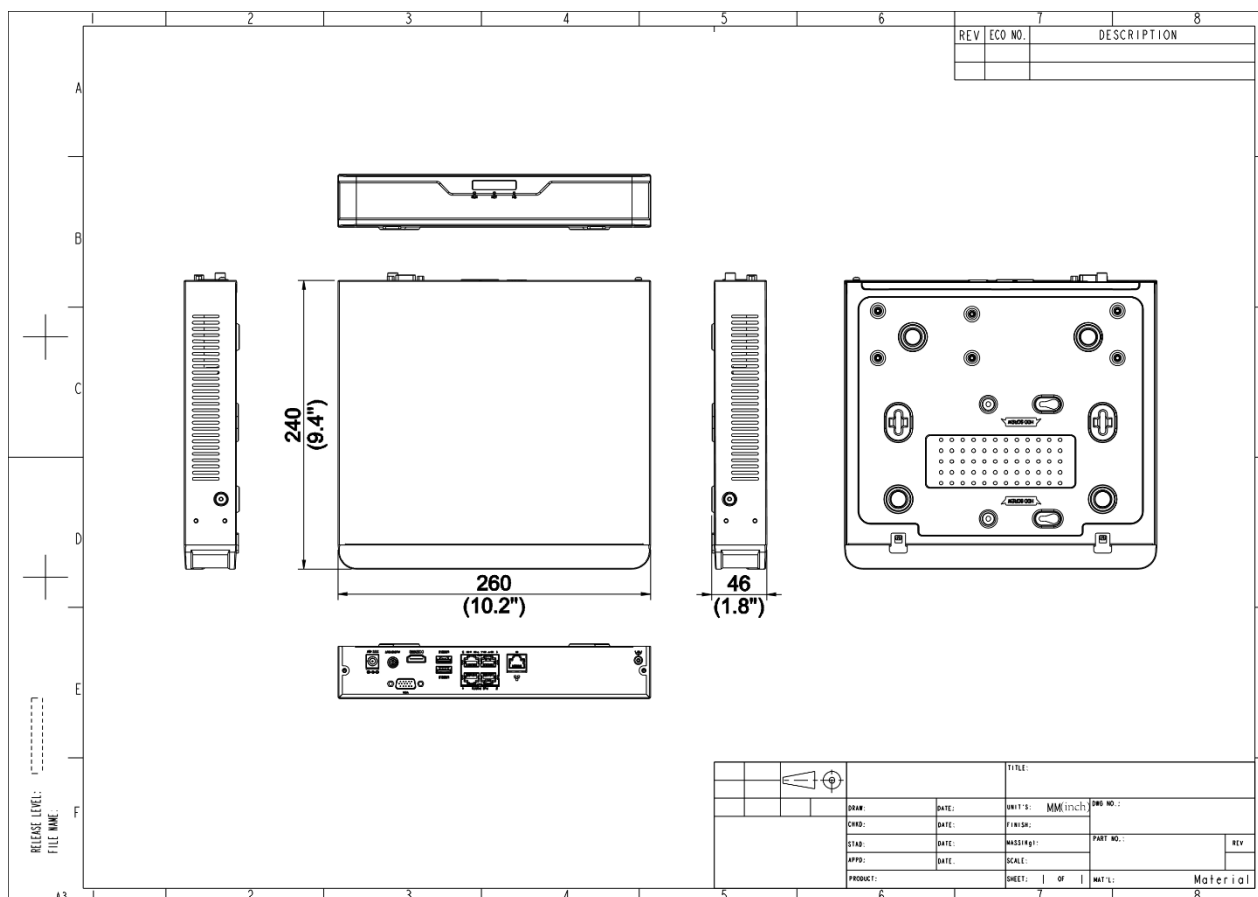
## Dimensions

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



## Accessories

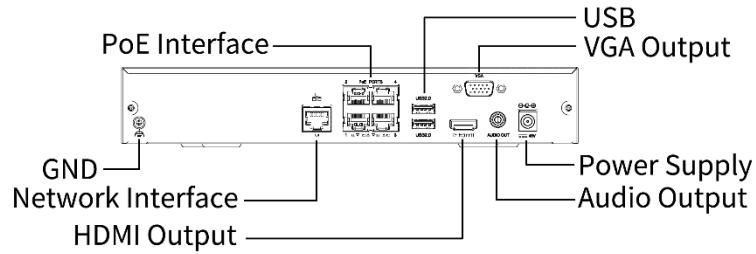
RM-1U-260

1 HDD 1U NVR Rack Mount

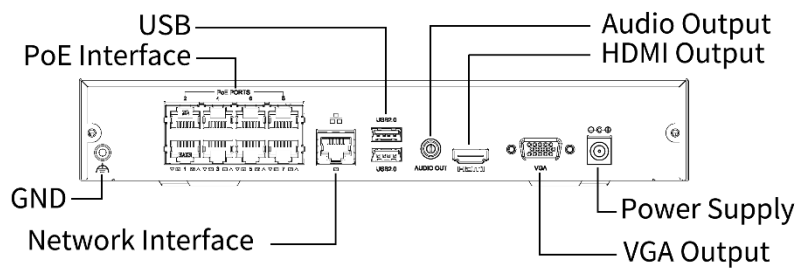


## Rear Panel

[NVR301-04S3-P4]



[NVR301-08/16S3-P8]



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