DATASHEET

Network Video Recorder

NVR301-S3 Series

Features

- Support Ultra 265/H.265/H.264 video formats
- 4/8/16-channel input
- Support mainstream cameras of ONVIF conformance(Profile S, Profile G, Profile T) and RTSP protocols
- Support 1-ch HDMI, 1-ch VGA, HDMI at up to 4K(3840x2160) resolution
- HDMI and VGA simultaneous output
- Up to 4K resolution recording
- Support cloud upgrade

Specifications

Model	NVR301-04S3	NVR301-08S3	NVR301-16S3
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, 6 x 1080P@30, 8 x 720P@30, 16 x D1@25

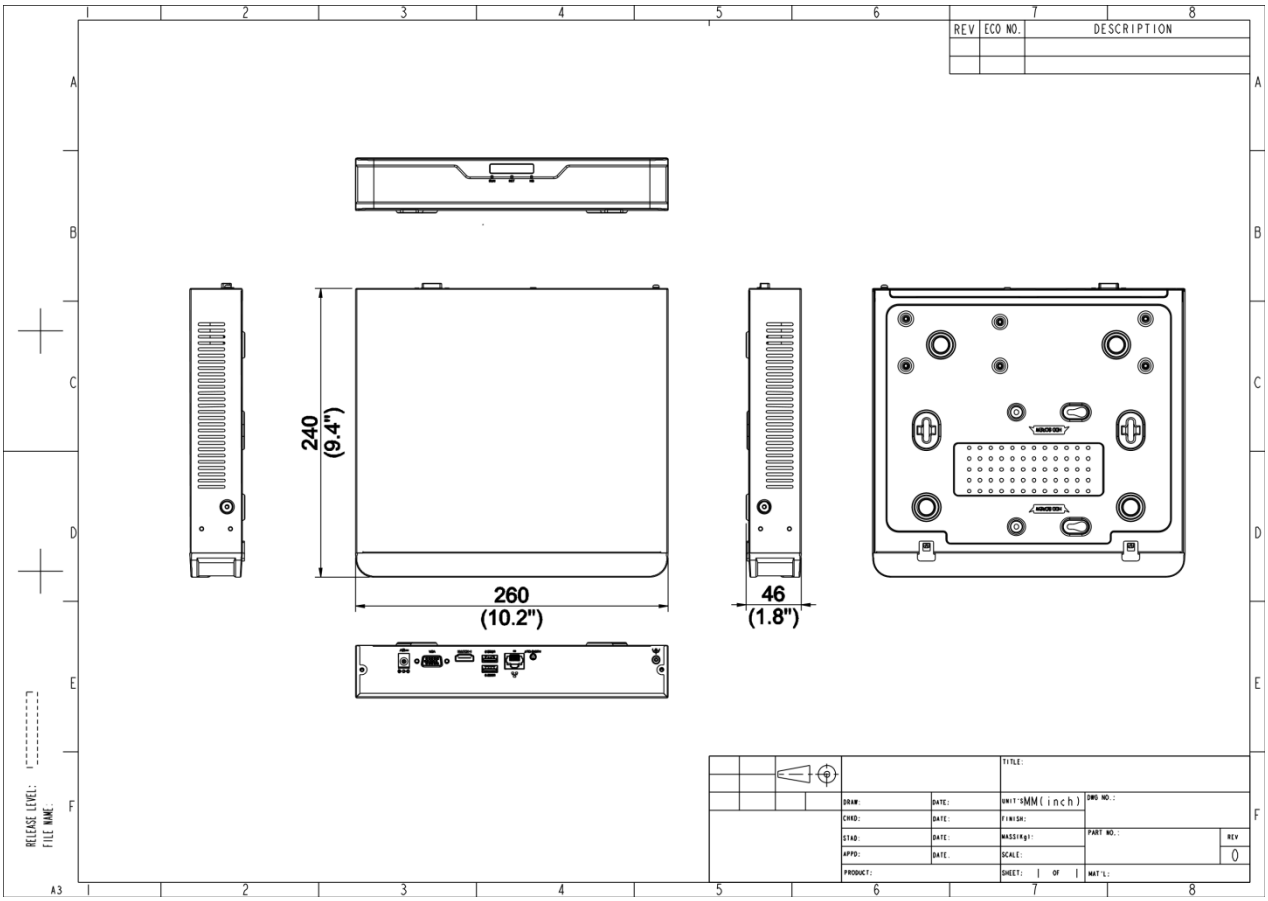
Decoding Capability Description	The resolution of each channel cannot exceed 4000 pixels in length and 3000 pixels in width		
Audio Compression	G.711A, G.711U		
Network			
Incoming Bandwidth	64 Mbps		
Outgoing Bandwidth	48 Mbps		
Remote Users	128		
Protocols	TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SMTP, RTSP, IPv4		
Browser(Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+		
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		
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		
3.5mm 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
Snapshot			
FTP/Schedule/Event Snapshot	1-ch snapshot (max. D1 (720 × 576) video resolution, with D1 snapshot resolution)		
Recording			
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
Smart			

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)
Capacity of Snapshot Records	2 millions records for face snapshot
Alarm	
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
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
Capacity	Up to 10 TB for each HDD (The maximum HDD capacity varies with environment temperature and hard disk size)
External Interface	
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 12 V/2 A
Working Environment	
Working Temperature	-10 ℃ to 55 ℃ (14 ℉ to 131 ℉)
Working Humidity	≤ 90% RH (non-condensing)
Power Consumption (without HDD)	≤ 5W
Dimensions	

Weight (without HDD)	≤ 0.98Kg (2.16lb)
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 "main model" as an example

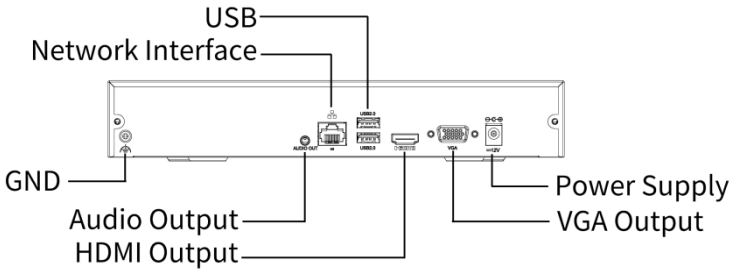


Accessories

RM-1U-260

1 HDD 1U NVR Rack Mount

Rear Panel



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