Digital Video Recorder

XVR301-G3 Series

Features

- Support H.265/H.264 video formats
- Support audio over coaxial cable (only for TVI cameras)
- Control the dual-light of UNV analog cameras under TVI
- Support TVI, AHD, CVI, CVBS, IP cameras with adaptive access
- 4/8/16-channel BNC input
- Support 1-ch HDMI output, 1-ch VGA output at up to 1920*1080
- HDMI and VGA simultaneous output
- Long transmission distance over coaxial cable
- Support mainstream cameras of ONVIF and RTSP protocols

Specifications

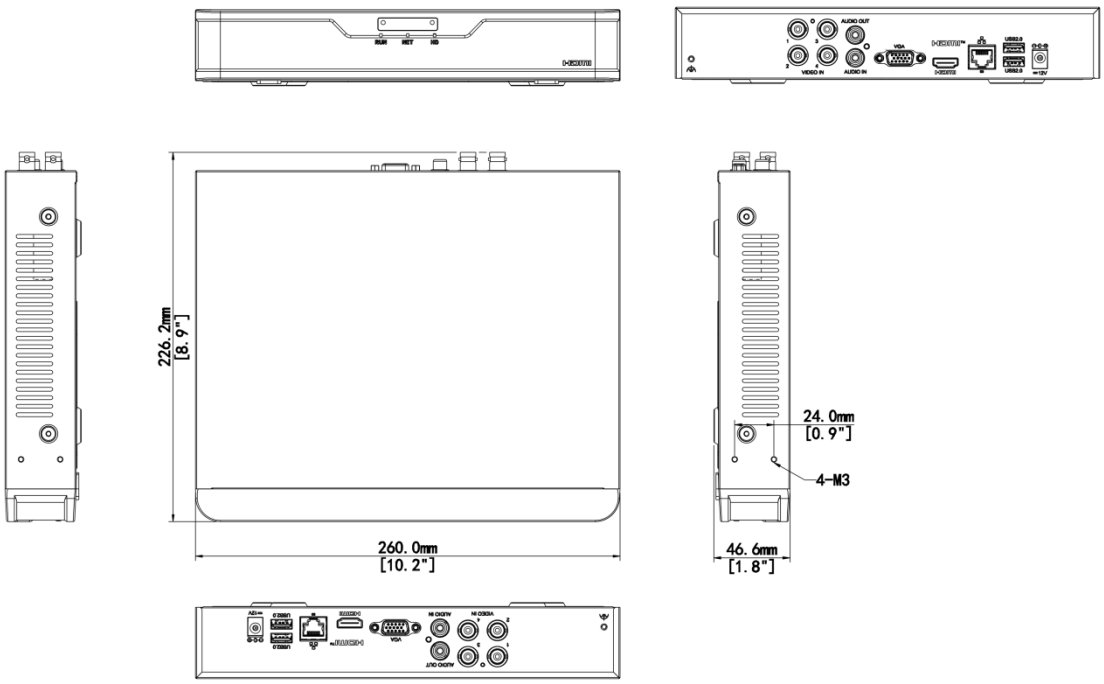
Model	XVR301-04G3	XVR301-08G3	XVR301-16G3
Video/Audio Input			
IP Video Input		4-ch	8-ch
Analog Video Input		8-ch, BNC	16-ch, BNC
Max IP Video Input		8-ch	16-ch
Supported Analog Camera Types		Support AHD input: 5MP@12.5fps 1080P@30fps 720P@30fps Support TVI input: 5MP@12.5fps 1080P@30fps 720P@30fps Support CVI input: 4MP@15fps 1080P@30fps 720P@30fps Support CVBS input	Support AHD input: 5MP@12.5fps 1080P@30fps 720P@30fps Support TVI input: 5MP@12.5fps 1080P@30fps 720P@30fps Support CVI input: 1080P@30fps 720P@30fps Support CVBS input
RCA Audio Input		1-ch	1-ch
Video/Audio Output			
HDMI Output		HDMI: 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: 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		VGA: 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: 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	1-ch
Live View Display		HDMI/VGA: 1/4/6/8/9/16	HDMI/VGA: 1/4/6/8/9/25
Encoding/Decoding			
Recording Resolution		5MP Lite/1080P Lite/720P/D1	5MP Lite/1080P Lite/720P/D1
Recording Frame Rate		Main stream: 5MP Lite@6fps Sub stream: D1@6fps Main stream: 1080P Lite@12fps Sub stream: D1@12fps Main stream: 720P@12fps Sub stream: D1@12fps	Main stream: 5MP Lite@6fps Sub stream: D1@6fps Main stream: 1080P Lite@12fps Sub stream: D1@12fps Main stream: 720P@12fps Sub stream: D1@12fps
Audio Sample Rate		8 kHz, 16 bit per channel	8 kHz, 16 bit per channel
Audio Bit Rate		64 Kbps per channel	64 Kbps per channel

Decoding Capability		Analog: 4 x 5MP Lite@6, 4x 1080P Lite @12fps IP: 1 x 4MP@30, 2 x 1080P@30	Analog: 8 x 5MP Lite@6, 8 x 1080P Lite@12 IP: 1 x 8MP@30, 2 x 4MP@30, 4 x 1080P@30
Two-way Audio			
Two-way Audio		1-ch, RCA (Using the audio input and output)	1-ch, RCA (Using the audio input and output)
Analog Snapshot			
FTP/Schedule/Event Snapshot		FTP/Event snapshot:8-ch snapshot, up to 704*576 resolution, Schedule snapshot:not supported	FTP/Event snapshot:16-ch snapshot, up to 704*576 resolution, Schedule snapshot:not supported
Network			
Incoming Bandwidth		32Mbps (Up to 40Mbps after all analog channel conversion)	40Mbps (up to 56Mbps after all analog channel conversion)
Outgoing Bandwidth		64Mbps	64Mbps
Remote Users		128	128
Protocols		TCP/IP|P2P|UPnP|DHCP|HTTP|HTTPS|DNS|DDNS|SMTP|NTP	TCP/IP|P2P|UPnP|DHCP|HTTP|HTTPS|DNS|DDNS|SMTP|NTP
Browser(Plugin)		IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+
Smart			
Analog Smart by XVR		Ultra Motion Detection (UMD)	Ultra Motion Detection (UMD)
Smart Functions by XVR		4-ch (UMD)	8-ch (UMD)
Alarm			
General Alarm		Motion	Motion
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		20 languages: English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian	20 languages: 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 16 TB for each HDD (The maximum HDD capacity varies with environment temperature)	Up to 16 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
Power Supply		DC 12 V/2 A	DC 12 V/2 A
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)		≤ 8W	≤ 10W
Dimensions			
Weight (without HDD)		≤1.1 Kg (2.42lb)	≤1.1 Kg (2.42lb)
Dimensions		260mm ×226mm× 47mm (10.2" × 8.9"×1.8")	260mm ×226mm× 47mm (10.2" × 8.9"×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 XVR301-04G3 as an example

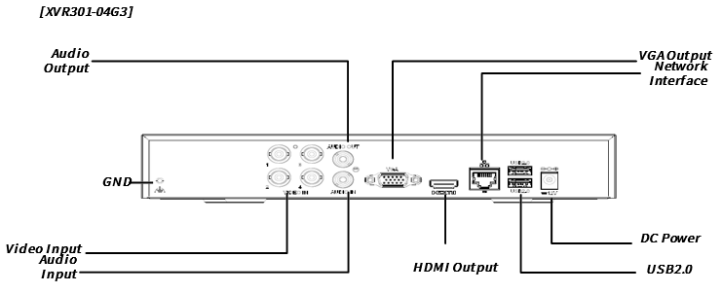


Accessories

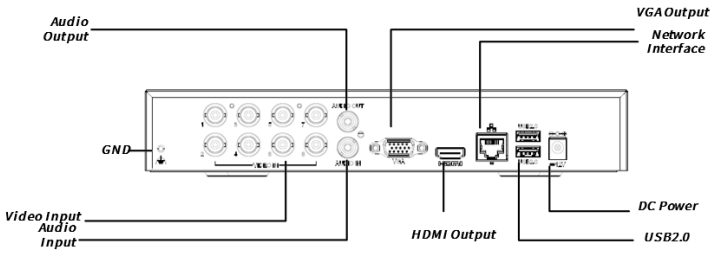
RM-1U-260

1 HDD 1U NVR Rack Mount

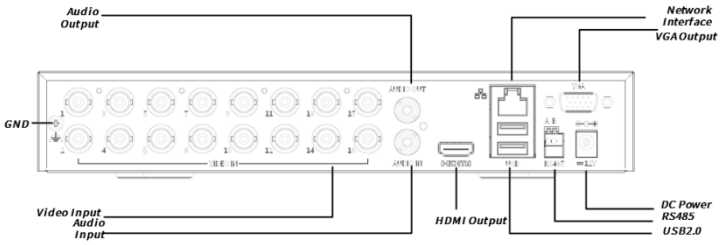
Rear Panel



[XVR301-08G3]



[XVR301-16G3]



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