UNV

Digital Video Recorder
XVR301-08U3

NDAA COMPLIANT
NATIONAL DEFENSE AUTHORIZATION ACT

Features

- Support Ultra 265/H.265/H.264 video formats
- Support audio over coaxial cable (TVI cameras)
- Control the dual-light of UNV analog cameras under TVI
- Support TVI, AHD, CVI, CVBS, IP cameras with adaptive access
- 8-channel BNC input
- Support 1-ch CVBS output, 1-ch VGA output, 1-ch HDMI output at up to 4K (3840 x 2160)
- HDMI and VGA simultaneous output
- Long transmission distance over coaxial cable
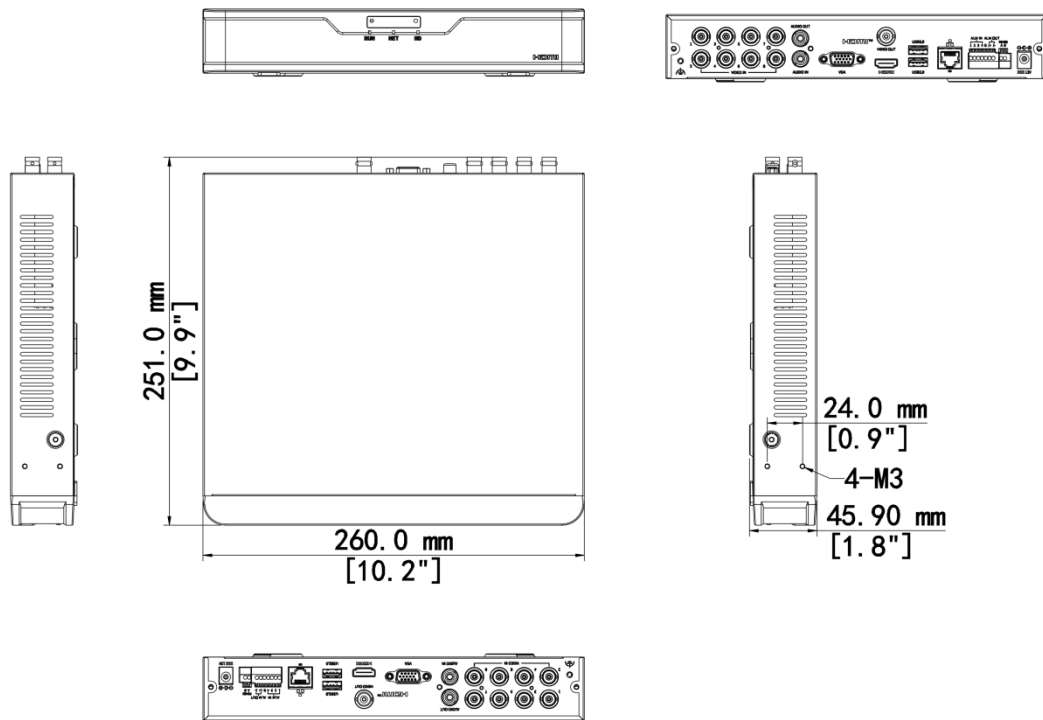- Support mainstream cameras of ONVIF and RTSP protocols

Specifications

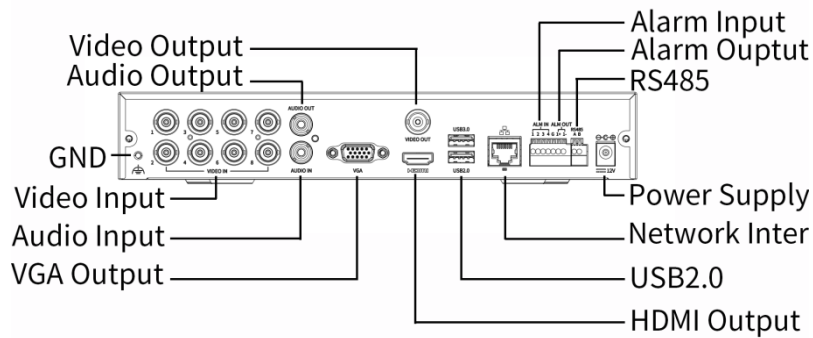| Model	XVR301-08U3
Video/Audio Input	
IP Video Input	8-ch
Analog Video Input	8-ch, BNC
Max IP Video Input	16-ch
Supported Analog Camera Types	Support AHD input: 8MP@15fps5MP@20fps4MP@30fps1080P@30fps720P@30fpsSupport TVI input: 8MP@15fps5MP@20fps4MP@30fps1080P@30fps720P@30fpsSupport CVI input: 8MP@15fps5MP@25fps4MP@30fps1080P@30fps 720P@30fpsSupport CVBS input
BNC Audio Input	8-ch, channel audio
RCA Audio Input	1-ch

Video/Audio Output	
HDMI Output	HDMI: 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	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
BNC Video Output	1-ch
RCA Audio Output	1-ch
Live View Display	HDMI/VGA: 1/4/6/8/9/16
Playback Screen	1/4/9/16
Encoding/Decoding	
Recording Resolution	8MP/5MP/4MP/1080P/720P/D1
Recording Frame Rate	Main stream: 8MP@8fps Sub stream: D1@8fpsMain stream: 5MP@12fpsSub stream: D1@12fpsMain stream: 4MP@15fps Sub stream: D1@15fpsMain stream: 1080P@25fps Sub stream: D1@25fpsMain stream: 720P@30fps Sub stream: D1@30fps
Audio Sample Rate	8 kHz, 16 bit per channel
Audio Bit Rate	64 Kbps per channel
Decoding Capability	Analog: 8 x 8MP @8, 8 x 5MP @12, 8 x 4MP @15, 8 x 1080P@25, 8 x 720@30 IP: 2 x 8MP@30, 4 x 4MP@30, 8 x 1080P@30, 16 x 720P@30
Num of Concurrent Playback in Local	16-ch
Coaxial Cable	
Audio over Coaxial Cable(Form)	8-ch, One-way Audio(TVI)
Two-way Audio	
Two-way Audio	1-ch, RCA (Using the audio input and output)
Analog Snapshot	
FTP/Schedule/Event Snapshot	Schedule/FTP/Event snapshot:8-ch snapshot, up to 704*576 resolution
Network	
Incoming Bandwidth	80Mbps (Up to 96 Mbps after all analog channel conversion)
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, DHCP, HTTP, HTTPS, DNS, DDNS, SMTP
Browser(Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+
Smart	
Analog Smart by XVR	Ultra Motion Detection (UMD) , SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area)
IP Smart by IPC	Face Detection, SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Defocus Detection, Scene Change Detection, Object Removed, Object Left Behind, Auto Tracking
VCA Search	Face Search, Behavior Search
Smart Functions by XVR	8-ch (UMD), 4-ch (SIP)
Smart Functions by IP Camera	4-ch (SIP)

Alarm	
General Alarm	Motion
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	38 languages: Simplified Chinese, Traditional Chinese, English, Vietnamese, Thai, Turkish, Spanish (Latin America), Portuguese (Brazil), Spanish, Portuguese, French, German, Italian, Dutch, Polish, Czech, Hungarian, Slovak, Russian, Hebrew, Arabic, Ukrainian, Estonian, Bulgarian, Greek, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenia, Serbia, Korean, Japanese, Latvian, Lithuanian, Persian
Hard Disk	
SATA	1 SATA interface
Capacity	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/1000 M self-adaptive Ethernet Interface
USB	Rear panel: 1 × USB2.0, 1 × USB3.0
RS485	1
RS232	N/A
Alarm In	4-ch
Alarm Out	1-ch
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)	≤ 12W
Dimensions	
Weight (without HDD)	≤1.2 Kg (2.65lb)
Dimensions	260mm ×251mm× 46mm (10.2" × 9.9"×1.8")
Certification	
Certification	CE, FCC, UL, RoHS, WEEE
CE	EN 55032, EN 61000-3-3, EN IEC 61000-3-2
FCC	Part15 Subpart B

Dimensions

Rear Panel

Video Output
Audio Output
GND
Video Input
Audio Input
VGA Output
Alarm Input
Alarm Ouput
RS485
Power Supply
Network Inter
USB2.0
HDMI Output

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