Digital Video Recorder

XVR302-16Q3

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

- 16-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 protocol

Specifications

Model	XVR302-16Q3
Video/Audio Input	
IP Video Input	8-ch
Analog Video Input	16-ch, BNC
Max IP Video Input	24-ch

Supported Analog Camera Types	Support AHD input:
	8MP@15fps
	5MP@20fps
	4MP@30fps
	1080P@30fps
	720P@30fps
	Support TVI input:
	8MP@15fps
	3K@20fps
	5MP@20fps
	4MP@30fps
	1080P@30fps
	720P@30fps
	Support CVI input:
	8MP@15fps
	5MP@25fps
	4MP@30fps
	1080P@30fps
	720P@30fps
	Support CVBS input
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: 1/4/6/8/9/25

Encoding/Decoding	
Recording Resolution	8MP Lite/5MP Lite/4MP Lite/1080P/720P/D1
Recording Frame Rate	Main stream: 8MP Lite@8fps Sub stream: D1@8fps
	Main stream: 3K Lite@12fps Sub stream: D1@12fps
	Main stream: 5MP Lite@12fps Sub stream: D1@12fps
	Main stream: 4MP Lite@15fps Sub stream: D1@15fps
	Main stream: 1080P@15fps Sub stream: D1@12fps
	Main stream: 720P@30fps Sub stream: D1@12fps
Audio Sample Rate	8 kHz, 16 bit per channel

Audio Bit Rate	64 Kbps per channel
Decoding Capability	Analog: 16 x 8MP Lite@8, 16 x 3K Lite@12, 16 x 5MP Lite@12, 16 x 4MP Lite@15, 16 x 1080P@15, 16 x 720@30 IP: 2 x 8MP@30, 4 x 4MP@30, 8 x 1080P@30, 16 x 720P@30, 24 x D1@30
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:16-ch snapshot, up to 704*576 resolution
Network	
Incoming Bandwidth	80Mbps (Up to 112Mbps after all analog channel conversion)
Outgoing Bandwidth	160Mbps
Remote Users	128
Protocols	TCP/IP, P2P, UPnP, DHCP, HTTP, HTTPS, DNS, DDNS, SMTP, NTP
Browser(Plugin)	IE10, IE11, Chrome 45+, Edge 79+, Firefox 52+
Smart	
Analog Smart by XVR	SIP (Intrusion Detection, Cross Line Detection, Enter Area, Leave Area), Ultra Motion Detection (UMD)
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	16-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	2 SATA interfaces
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 × USB3.0, Front panel: 1 × USB2.0
RS485	1
Alarm In	4-ch
Alarm Out	1-ch
Power Supply	DC 12 V/3 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)	≤2.0 Kg (4.4lb)
Dimensions	380mm ×326mm× 53mm (15.0" × 12.8"×2.1")
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
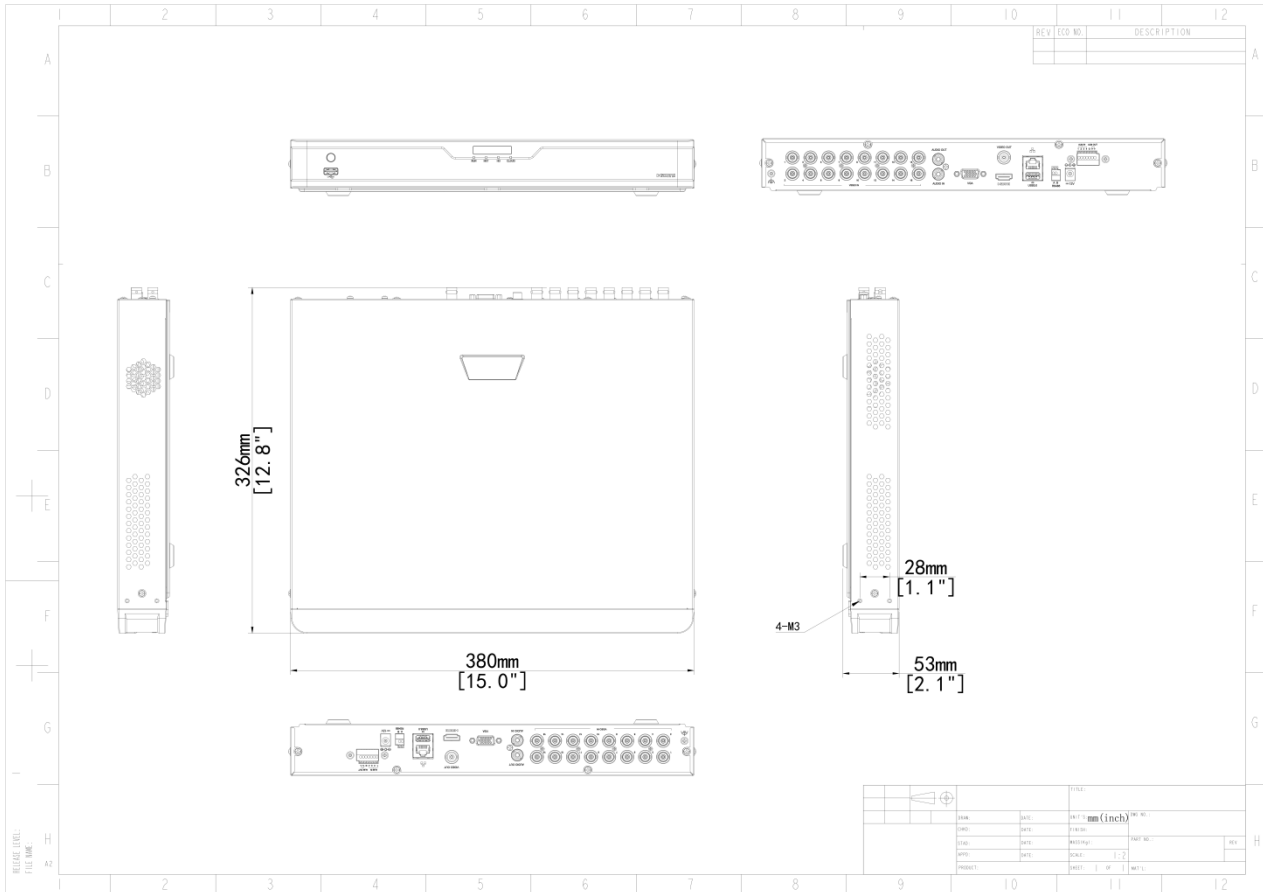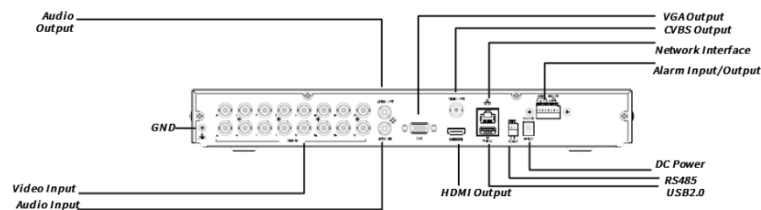
Accessories

RM-1U-380

2 HDD 1U NVR Rack Mount
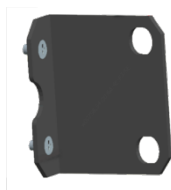
Rear Panel

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