

# 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

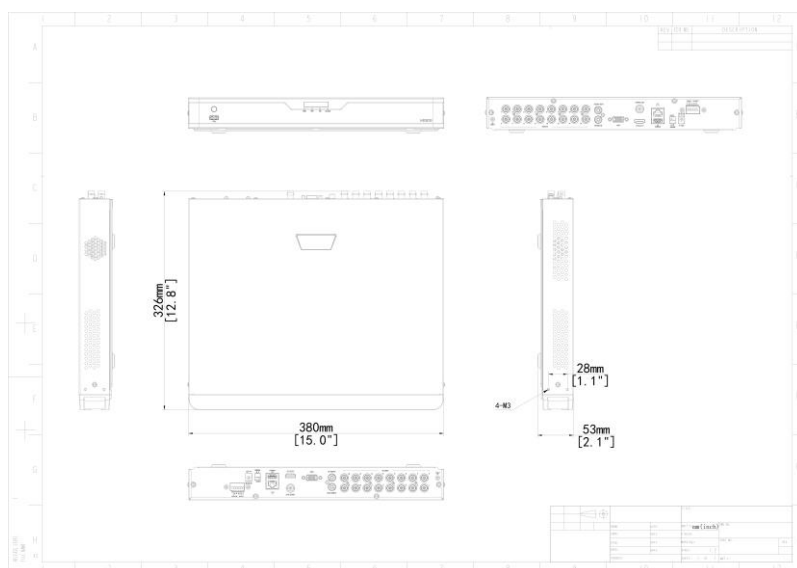
Video/Audio Input	Description
IP Video Input	8-ch
Analog Video Input	16-ch, BNC
Max IP Video Input	24-ch
Supported Analog Camera Types	Support AHD input: 8MP@15fps 5MP@20fps

	<p>4MP@30fps 1080P@30fps 720P@30fps</p> <p>Support TVI input:</p> <p>8MP@15fps 3K@20fps 5MP@20fps 4MP@30fps 1080P@30fps 720P@30fps</p> <p>Support CVI input:</p> <p>8MP@15fps 5MP@25fps 4MP@30fps 1080P@30fps 720P@30fps</p> <p>Support CVBS input</p>
RCA Audio Input	1-ch
<b>Video/Audio Output</b>	<b>Description</b>
HDMI Output	HDMI:4K(3840x2160)/30Hz, 1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
VGA Output	VGA:1920x1080/60Hz, 1920x1080/50Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
BNC Video Output	1-ch
RCA Audio Output	1-ch
Live View Display	HDMI/VGA: 1/4/6/8/9/25
<b>Encoding/Decoding</b>	<b>Description</b>
Recording Resolution	8MP Lite/5MP Lite/4MP Lite/1080P/720P/D1
Recording Frame Rate	<p>Main stream: 8MP Lite@8fps Sub stream: D1@8fps</p> <p>Main stream: 3K Lite@12fps Sub stream: D1@12fps</p> <p>Main stream: 5MP Lite@12fps Sub stream: D1@12fps</p> <p>Main stream: 4MP Lite@15fps Sub stream: D1@15fps</p> <p>Main stream: 1080P@15fps Sub stream: D1@12fps</p> <p>Main stream: 720P@30fps Sub stream: D1@12fps</p>
Audio Sample Rate	8 KHz, 16 bit per channel
Audio Bit Rate	64Kbps 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

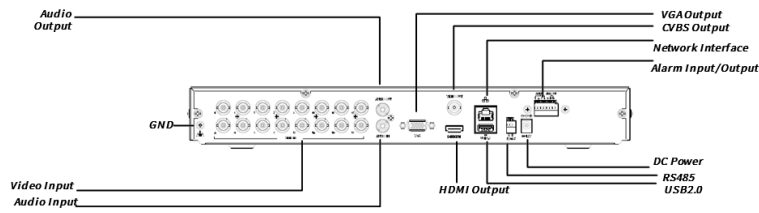
	IP: 2 x 8MP@30, 4 x 4MP@30, 8 x 1080P@30, 16 x 720P@30, 24 x D1@30
<b>Two-way Audio</b>	Description
Two-way Audio	1-ch, RCA(Using the audio input and output)
<b>Analog Snapshot</b>	Description
FTP/Schedule/Event Snapshot	Schedule/FTP/Event snapshot:16-ch snapshot, up to 704*576 resolution
<b>Network</b>	Description
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)	Windows: IE (IE10/ 11), Firefox (version 52.0 and above), Chrome (version 45 and above), Edge (version 79 and above)
<b>Smart</b>	Description
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)
<b>Alarm</b>	Description
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
<b>GUI Language</b>	Description
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
<b>Hard Disk</b>	Description
SATA	2 SATA interfaces
Capacity	Up to 16TB for each HDD(The maximum HDD capacity varies with environment temperature)

External Interface	Description
Network Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet Interface
USB	Rear panel: 1 x USB3.0; Front panel: 1 x USB2.0
RS485	1
Alarm In	4-ch
Alarm Out	1-ch
Power Supply	DC 12V/3A
Working Environment	Description
Working Temperature	-10 °C ~ 55 °C (14 °F ~ 131 °F )
Working Humidity	≤ 90% RH(non-condensing)
Power Consumption (without HDD)	≤ 12W
Dimensions	Description
Weight (without HDD)	≤2.0 Kg ( 4.4lb )
Dimensions	380mm ×326mm× 53mm (15.0" × 12.8"×2.1")
Certification	Description
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



## Rear Panel



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