

# 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

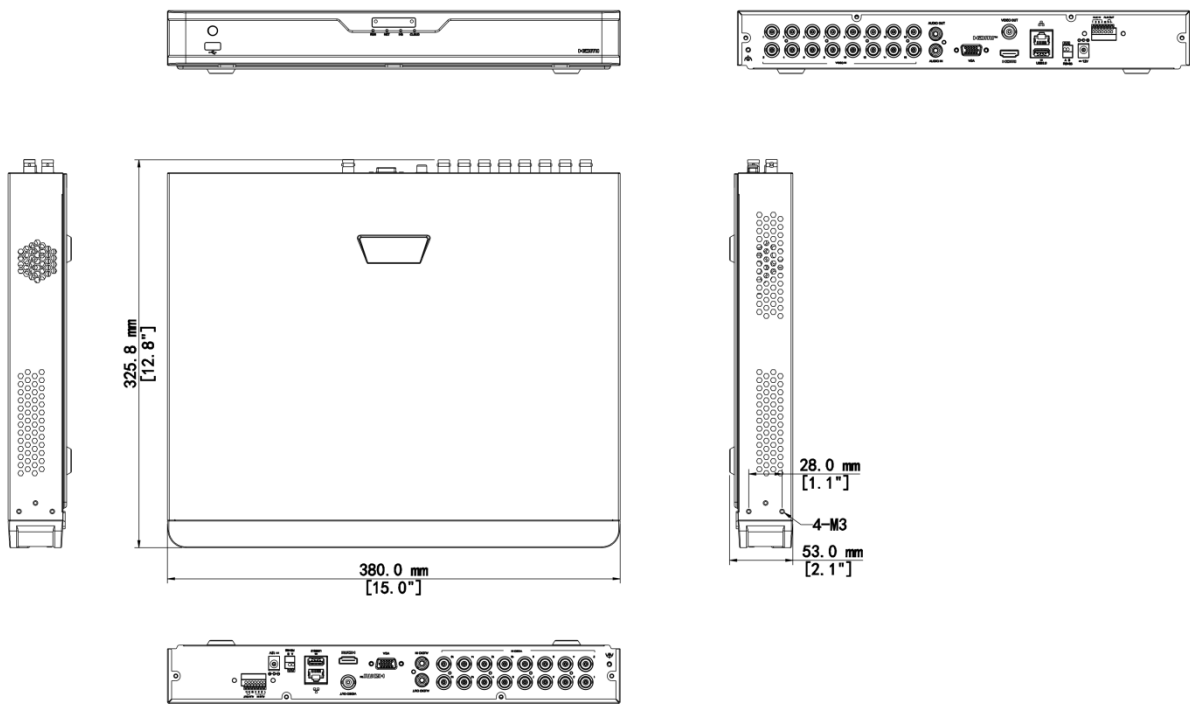
| Model              | XVR302-16Q3 |
|--------------------|-------------|
| Video/Audio Input  |             |
| IP Video Input     | 8-ch        |
| Analog Video Input | 16-ch, BNC  |
| Max IP Video Input | 24-ch       |

|                               |                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported Analog Camera Types | Support AHD input:<br>8MP@15fps<br>5MP@20fps<br>4MP@30fps<br>1080P@30fps<br>720P@30fps<br>Support TVI input:<br>8MP@15fps<br>3K@20fps<br>5MP@20fps<br>4MP@30fps<br>1080P@30fps<br>720P@30fps<br>Support CVI input:<br>8MP@15fps<br>5MP@25fps<br>4MP@30fps<br>1080P@30fps<br>720P@30fps<br>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<br>Main stream: 3K Lite@12fps    Sub stream: D1@12fps<br>Main stream: 5MP Lite@12fps    Sub stream: D1@12fps<br>Main stream: 4MP Lite@15fps    Sub stream: D1@15fps<br>Main stream: 1080P@15fps    Sub stream: D1@12fps<br>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<br>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)                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Analog Snapshot</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| FTP/Schedule/Event Snapshot     | Schedule/FTP/Event snapshot:16-ch snapshot, up to 704*576 resolution                                                                                                                                                                                                                                                                                                                                                      |
| <b>Network</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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+                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Smart</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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          | 4-ch (SIP), 2-ch (Face Detection), 16-ch (UMD)                                                                                                                                                                                                                                                                                                                                                                            |
| Smart Functions by IP Camera    | 4-ch (SIP)                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Alarm</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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>             |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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>                |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SATA                            | 2 SATA interfaces                                                                                                                                                                                                                                                                                                                                                                                                         |
| Capacity                        | Up to 16 TB for each HDD (The maximum HDD capacity varies with environment temperature)                                                                                                                                                                                                                                                                                                                                   |
| <b>External Interface</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Working Environment</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Working Temperature             | -10 °C to 55 °C (14 °F to 131 °F )                                                                                                                                                                                                                                                                                                                                                                                        |
| 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



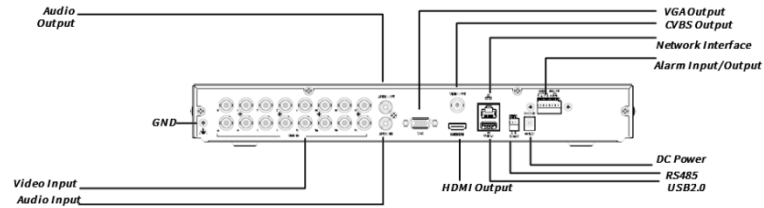
## Accessories

### RM-1U-380

2 HDD 1U NVR Rack Mount



## Rear Panel



### Zhejiang Uniview Technologies Co., Ltd.



<http://www.uniview.com>



[overseasbusiness@uniview.com](mailto:overseasbusiness@uniview.com); [globalsupport@uniview.com](mailto:globalsupport@uniview.com)



No. 369, Xietong Road, Xixing Sub-district, Binjiang District, Hangzhou City, 310051, Zhejiang Province, China



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