

## Digital Video Recorder XVR301-G3 Series

H.265



## 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

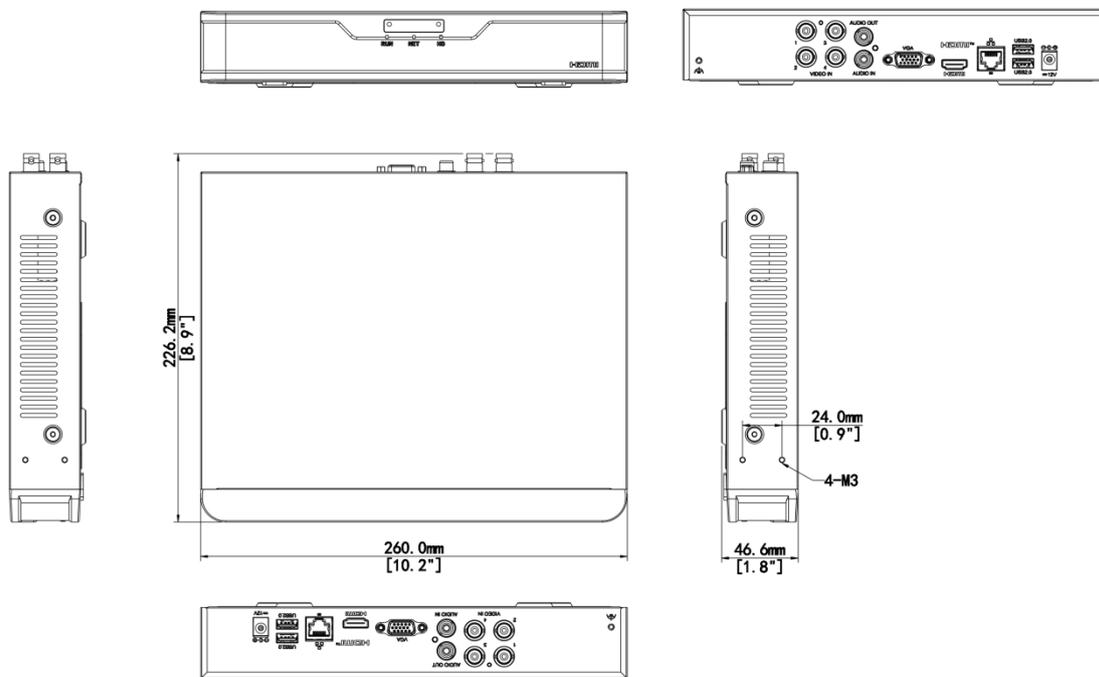
| Model                         | XVR301-04G3   | XVR301-08G3  | XVR301-16G3   |
|-------------------------------|---|--|---|
| Video/Audio Input             |   |  |   |
| IP Video Input                | 2-ch  | 4-ch   | 8-ch  |
| Analog Video Input            | 4-ch, BNC   | 8-ch, BNC  | 16-ch, BNC  |
| Max IP Video Input            | 6-ch  | 8-ch   | 16-ch   |
| Supported Analog Camera Types | Support AHD input:<br>5MP@20fps<br>4MP@30fps<br>1080P@30fps<br>720P@30fps<br>Support TVI input:<br>5MP@20fps<br>4MP@30fps<br>1080P@30fps<br>720P@30fps<br>Support CVI input:<br>5MP@20fps<br>4MP@30fps<br>1080P@30fps<br>720P@30fps<br>Support CVBS input | Support AHD input:<br>5MP@12.5fps<br>1080P@30fps<br>720P@30fps<br>Support TVI input:<br>5MP@12.5fps<br>1080P@30fps<br>720P@30fps<br>Support CVI input:<br>4MP@15fps<br>1080P@30fps<br>720P@30fps<br>Support CVBS input | Support AHD input:<br>5MP@12.5fps<br>1080P@30fps<br>720P@30fps<br>Support TVI input:<br>5MP@12.5fps<br>1080P@30fps<br>720P@30fps<br>Support CVI input:<br>1080P@30fps<br>720P@30fps<br>Support CVBS input |
| RCA Audio Input               | 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  |  |   |
| 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   |  |   |
| RCA Audio Output              | 1-ch  |  |   |
| Live View Display             | HDMI/VGA: 1/4/6/8/9   | HDMI/VGA: 1/4/6/8/9/16   | HDMI/VGA: 1/4/6/8/9/25  |
| Encoding/Decoding             |   |  |   |
| Recording Resolution          | 5MP Lite/4MP Lite/1080P/720P/D1   | 5MP Lite/1080P Lite/720P/D1  | 5MP Lite/1080P Lite/720P/D1   |
| Recording Frame Rate          | Main stream: 5MP Lite@12fps<br>Sub stream: D1@12fps<br>Main stream: 4MP Lite@15fps<br>Sub stream: D1@15fps<br>Main stream: 1080P@15fps<br>Sub stream: D1@15fps<br>Main stream: 720P@25fps Sub stream: D1@25fps  | Main stream: 5MP Lite@6fps<br>Sub stream: D1@6fps<br>Main stream: 1080P Lite@12fps Sub stream: D1@12fps<br>Main stream: 720P@12fps Sub stream: D1@12fps  | Main stream: 5MP Lite@6fps<br>Sub stream: D1@6fps<br>Main stream: 1080P Lite@12fps Sub stream: D1@12fps<br>Main stream: 720P@12fps Sub stream: D1@12fps   |
| Audio Sample Rate             | 8 kHz, 16 bit per channel   |  |   |

|                             |   |  |   |
|-----------------------------|---|--|---|
| Audio Bit Rate              | 64 Kbps per channel   |  |   |
| Decoding Capability         | Analog: 2 x 5MP Lite@12, 2 x 4MP Lite@15, 2 x 1080P@15<br>IP: 1 x 4MP@30, 2 x 1080P@30  | Analog: 4 x 5MP Lite@6, 4x 1080P Lite @12fps<br>IP: 1 x 4MP@30, 2 x 1080P@30                   | Analog: 8 x 5MP Lite@6, 8 x 1080P Lite@12<br>IP: 1 x 8MP@30, 2 x 4MP@30, 4 x 1080P@30           |
| <b>Two-way Audio</b>        |   |  |   |
| Two-way Audio               | 1-ch, RCA (Using the audio input and output)  |  |   |
| <b>Analog Snapshot</b>      |   |  |   |
| FTP/Schedule/Event Snapshot | FTP/Event snapshot:4-ch snapshot, up to 704*576 resolution,<br>Schedule snapshot:not supported  | FTP/Event snapshot:8-ch snapshot, up to 704*576 resolution,<br>Schedule snapshot:not supported | FTP/Event snapshot:16-ch snapshot, up to 704*576 resolution,<br>Schedule snapshot:not supported |
| <b>Network</b>              |   |  |   |
| Incoming Bandwidth          | 16Mbps (Up to 24Mbps after all analog channel conversion)   | 32Mbps (Up to 40Mbps after all analog channel conversion)                                      | 40Mbps (up to 56Mbps after all analog channel conversion)                                       |
| Outgoing Bandwidth          | 48Mbps  | 64Mbps   | 64Mbps  |
| 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)  |  |   |
| Smart Functions by XVR      | 4-ch (UMD)  | 4-ch (UMD)   | 8-ch (UMD)  |
| <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                | 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 |  |   |
| <b>Hard Disk</b>            |   |  |   |
| SATA                        | 1 SATA interface  |  |   |
| 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 self-adaptive Ethernet Interface  |  |   |
| USB                         | Rear panel: 2 x USB2.0  |  |   |
| RS485                       | N/A   | N/A  | 1   |
| Power Supply                | DC 12 V/2 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) | ≤ 8W   | ≤ 8W               | ≤ 10W              |
| Dimensions                      |  |                    |                    |
| Weight (without HDD)            | ≤0.9Kg ( 1.98lb )                                  | ≤1.1 Kg ( 2.42lb ) | ≤1.1 Kg ( 2.42lb ) |
| Dimensions                      | 260mm ×226mm× 47mm (10.2" × 8.9"×1.8")             |                    |                    |
| 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 XVR301-04G3 as an example



## Accessories

### RM-1U-260

1 HDD 1U NVR Rack Mount



# Unlimited New View

## 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  
(Zhejiang) Pilot Free Trade Zone, China



©2023-2025 Zhejiang Uniview Technologies Co., Ltd. All rights reserved.

\*Product specifications and availability are subject to change without notice.

\*Despite our best efforts, technical or typographical errors may exist in this document.

Uniview cannot be held responsible for any such errors and reserves the right to change the contents of this document without prior notice.