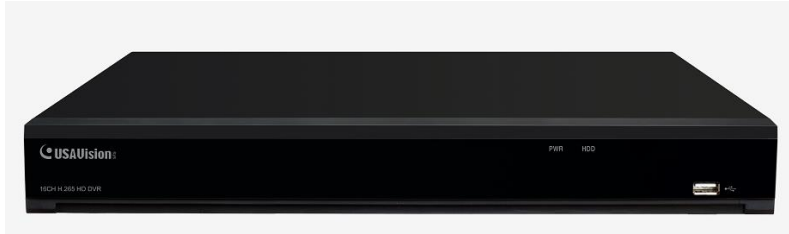


## UA-XVR1620 16CH H.265 8MP HD DVR



- AI deep learning: AI Perimeter Protection & Classification (Human & Vehicle)
- Realtime AI Face Recognition (search, tracking, attendance and repeated recognition request)
- Support H.265 / H.264 video formats
- 16-ch TVI / AHD / CVI / CVBS video input
- 8-ch IP camera input
- Support 1-ch HDMI, 1-ch VGA, HDMI at up to 4K (3840 x 2160) resolution
- HDMI and VGA simultaneous output
- 2 SATA HDD up to 10 TB for each disk
- 16 alarms inputs and 1 alarm output
- Support P2P function for GV-Eye app
- Support ONVIF cameras

### Introduction

UA-XVR1620 is a powerful H.264 / H.265 HD DVR and supports 16-channel analog camera and 8-channel IP camera inputs, totaling a connection of up to 24 channels. It converts analog signals into high-resolution digitized images up to 8 megapixels. Featuring 4-in-1 video output, UA-XVR1620 supports TVI/AHD/CVI/CVBS connection.

With its Web Client on the web browser, users can access several functions, including Live View, Change Stream, Manual Alarm, Divide Screen, and more. It is also able to trigger Tampering Alarm alerts when cameras are tampered with, which can prevent criminal activities.

UA-XVR1620 integrates the capacity of AI-capable UA-IP cameras and HD analog cameras and provides various video analytics functions for perimeter protection. With the Face Recognition functions, users can access the database for face search, face tracking on E-Map, repeat visitor request, and face attendance request to enhance the convenience and security of the surveillance environment.

### Specifications

| System           |               |   |
|------------------|---------------|---|
| Operating system |               | Embedded Linux  |
| No. of Drive Bay |               | 2 (3.5" / 2.5" SATA HDD)  |
| Video            |               |   |
| Video Standard   |               | NTSC, PAL   |
| Video Input      | Analog camera | 16 channels (up to 24 channels for analog cameras and IP cameras) |
|                  | IP Camera     | 8 channels (up to 24 channels for IP cameras only)                |
| Compression      |               | H.265 / H.264   |
| Signal Type      |               | TVI / AHD / CVI / CVBS  |

|                      |               |             |   |
|----------------------|---------------|-------------|---|
| Recording Resolution | Analog Camera | Main Stream | 8 MP at 10 fps for each channel<br>5 MP at 15 fps for each channel<br>4 MP at 20 fps for each channel<br>1080P at 25 fps (PAL) / 30 fps (NTSC) for each channel |
|                      |               | Sub Stream  | PAL: 10 fps at 704 x 576 for each channel<br>NTSC: 10 fps at 704 x 480 for each channel<br>*H.264 performance is about 20% lower than H.265.                    |
|                      | IP Camera     |             | 50 Hz: Max. 25 fps for each channel<br>60 Hz: Max. 30 fps for each channel<br>*The frame rate may vary depending on the resolution set on the IP camera.        |
| Display Resolution   | Analog Camera |             | 8 MP at 15 fps for each channel<br>5 MP at 20 fps for each channel<br>4 MP / 1080P /720P / 960H at 30 fps for each channel                                      |
|                      | IP Camera     |             | 8 MP / 4 MP / 3 MP / 1080P / 720P<br>*Single-channel preview up to 8 MP 30 fps.<br>*Multi-channel preview is only available in sub-stream.                      |
| Playback Resolution  |               |             | 8 MP at 160 fps<br>5 MP at 240 fps<br>4 MP at 320 fps<br>1080P at 480 fps<br>*A maximum of 16 playback channels is applicable to each resolution.               |
| Recording Bandwidth  | Input         |             | 64 ~ 192 Mbps   |
|                      | Output        |             | 192 Mbps  |
| Video Adjustment     |               |             | Hue, Brightness, Contrast, Saturation, Sharpness  |
| Dual Streams         |               |             | Yes   |
| Playback Function    | Fast Forward  |             | 2x, 4x, 8x, 16x   |
|                      | Slow Forward  |             | 1/2x, 1/4x, 1/8x, 1/16x   |
| Audio                |               |             |   |
| Audio Input          |               |             | 16 RCA ports  |
| Compression          |               |             | G.711   |
| Audio Support        |               |             | One-way   |
| Management           |               |             |   |
| Event Management     | Trigger       |             | Schedule, Alarm Output, Motion Detection  |
|                      | Action        |             | -Store Video (AVI format)<br>-Send e-mails with captured images<br>-Upload captured images to FTP Server<br>-Activate relay outputs to control external devices |
| Remote Monitoring    |               |             | IE 10 / 11<br>Safari V12.1 or later<br>Firefox V52 or later<br>Google Chrome V57 or later<br>Edge V79 or later  |

|                               |        |  |
|-------------------------------|--------|--|
| Language                      | Local  | Arabic / Bulgarian / Traditional Chinese / Danish / English / German / Spanish / French / Japanese / Italian / Portuguese / Russian / Turkish / Finnish / Greek / Hebrew / Hindi / Korean / Persian / Polish / Romanian / Thai / Holland   |
|                               | Web    | English / German / Spanish / French / Japanese / Italian / Portuguese / Russian / Turkish  |
| Maintenance                   |        | Firmware upgrade through Web Browser or Utility  |
| <b>Network</b>                |        |  |
| Protocol                      |        | DHCP, DynDNS, HTTP, NTP, RTSP, TCP, UDP  |
| Security Feature              |        | -No default ID and password<br>-HTTPS with an SSL certificate stored within the video server<br>-IP address filtering  |
| <b>Interface</b>              |        |  |
| Video Input                   |        | 16 BNC ports (1.5 Vp-p, 75 Ω)  |
| Audio                         |        | 16 in / 1 out, RCA   |
| Alarm Input / Output          |        | 16 in / 1 out  |
| RS-485                        |        | RS-485 +/-   |
| Ethernet                      |        | RJ-45, 100/1000 Mbps   |
| USB                           |        | 2 ports (USB 2.0 front / USB 3.0 rear)   |
| E-SATA                        |        | 1 port   |
| Monitors                      | BNC    | 1 port (704 x 576)   |
|                               | VGA    | 1 port (1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080)  |
|                               | HDMI   | 1 port (1024 x 768, 1280 x 720, 1280 x 1024, 1440 x 900, 1920 x 1080, 2560 x 1440 (2K), 3840 x 2160 (4K))  |
| LED                           |        | 2 LEDs: Power, HDD   |
| <b>General</b>                |        |  |
| Operating Temp.               |        | 0°C ~ 40°C (32°F ~ 104°F)  |
| Humidity                      |        | 0 ~ 90% RH   |
| Dimensions (L x W x H)        |        | 378 x 328 x 52 mm (14.88" x 12.91" x 2.05")  |
| Weight                        |        | 2.94 kg (6.49 lb)  |
| Rack Mount                    |        | Yes  |
| Power                         | Input  | AC 100 ~ 240V, 50 ~ 60 Hz  |
|                               | Output | DC 12 V, 5.0 A, Max. 60 W  |
| Power Consumption             |        | 20 W (excluding HDD)   |
| Regulatory                    |        | CE, FCC, LVD, RoHS compliant   |
| <b>AI Integrated Function</b> |        |  |
| Video Analytics               |        | Pedestrian Detection & Vehicle Detection, Perimeter Intrusion Detection, Line Crossing Detection, Stationary Object Detection, Cross Counting, Heat Map, Crowd Density Monitoring, Queue Length Detection, Face Detection, Rare Sound Detection<br><br>*When connected to analog cameras, FD (Face Detection) and PD&VD (Human & Vehicles Detection) can be enabled on a maximum of <b>8</b> channels at a time. |
| Face Recognition              |        | Face Search, Face Tracking on E-Map, Repeat Visitor Request, Face Attendance Request   |
| <b>Remote Viewing</b>         |        |  |
| Access from Web Browser       |        | -Live View: Audio, PTZ Setting, Color Controls, Page View, Manual Alarm<br>-Playback: Search Recordings, Stretch, Full Screen, Tag Playback, Picture Playback, Download<br>-Remote Setting: Channel (Live, Image control, Video Cover, Motion, Intelligent), Record (Encode, Capture), Alarm (Motion, I/O, Intelligent, PTZ Linkage), Network (IP, DDNS, FTP, Email), Device (HDD Disk /Cloud), System           |

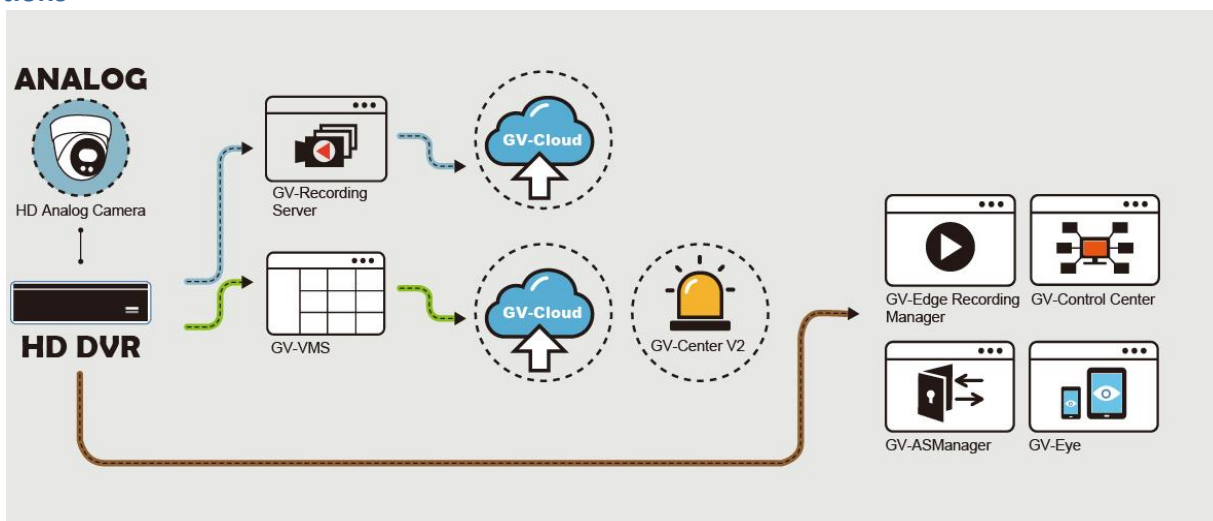
|                      |                   |  |
|----------------------|-------------------|--|
| Live View            | PC-Based Software | Max. 16-ch connection  |
|                      | Mobile App        |  |
| Playback             | PC-Based Software | Max. 16-ch connection  |
|                      | Mobile App        | Max. 2-ch connection<br>*GV-Eye only supports single-channel playback.   |
| <b>Applications</b>  |                   |  |
| Software Supported   |                   | GV-Control Center (V4.1.0 with patch file V4.1.0.1), GV-Edge Recording Manager Windows Version (V2.2.3 with patch file V2.2.3.1), GV-VMS (V17.4.5 with patch file V17.4.5.15 / V18.3.1 with patch file V18.3.1.7, only <b>analog</b> channels supported), GV-Recording Server (V2.1.0) |
| Mobile Phone Support |                   | GV-Eye for iOS and Android (V2.9.1 or later)   |

**Note:**

1. Fisheye dewarping is currently not supported.
2. Product design and specifications are subject to change without notice.

**Packing List**

- |                             |                                    |
|-----------------------------|------------------------------------|
| 1. UA-XVR1620               | 6. Audio Cable                     |
| 2. 3.5" HDD Screw Kit x 2   | 7. USB Mouse                       |
| 3. 2.5" HDD Screw Kit x 2   | 8. Power Adapter (DC 12V, 5A, 60W) |
| 4. Rack Mount x 2           | 9. Power Cord                      |
| 5. Screw for Rack Mount x 2 | 10. Download Guide                 |

**Applications**


## Dimensions

