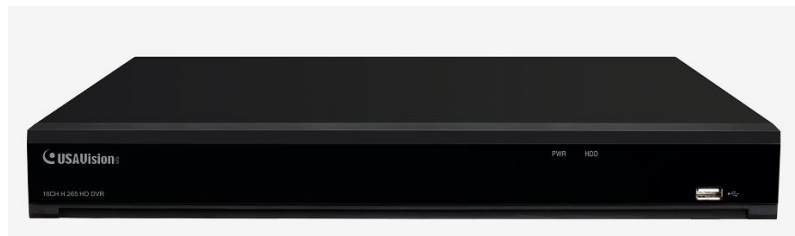


UA-XVR1620 16CH H.265 8MP HD DVR



- 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 *3 MP / 5 MP resolution is not supported by CVI signal.

Recording Resolution	Analog Camera	Main Stream	8 MP at 10 fps for each channel 5 MP at 15 fps for each channel 4 MP at 20 fps for each channel 1080P at 25 fps (PAL) / 30 fps (NTSC) for each channel
		Sub Stream	PAL: 10 fps at 704 x 576 for each channel NTSC: 10 fps at 704 x 480 for each channel *H.264 performance is about 20% lower than H.265.
	IP Camera		50 Hz: Max. 25 fps for each channel 60 Hz: Max. 30 fps for each channel *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 5 MP at 20 fps for each channel 4 MP / 1080P /720P / 960H at 30 fps for each channel
	IP Camera		8 MP / 4 MP / 3 MP / 1080P / 720P *Single-channel preview up to 8 MP 30 fps. *Multi-channel preview is only available in sub-stream.
Playback Resolution			8 MP at 160 fps 5 MP at 240 fps 4 MP at 320 fps 1080P at 480 fps *A maximum of 16 playback channels is applicable to each resolution.
Max. 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) -Send e-mails with captured images -Upload captured images to FTP Server -Activate relay outputs to control external devices
Remote Monitoring			IE 10 / 11 Safari V12.1 or later Firefox V52 or later Google Chrome V57 or later 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
Network		
Protocol		DHCP, DynDNS, HTTP, NTP, RTSP, TCP, UDP, IPv4, IPv6
Security Feature		-No default ID and password -HTTPS with an SSL certificate stored within the video server -IP address filtering
Interface		
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
General		
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)
Certification		CE, FCC, LVD, RoHS compliant
AI Integrated Function		
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 *When connected to analog cameras, FD (Face Detection) and PD&VD (Human & Vehicles Detection) can be enabled on a maximum of 8 channels at a time.
Face Recognition		Face Search, Face Tracking on E-Map, Repeat Visitor Request, Face Attendance Request
Remote Viewing		
Access from Web Browser		-Live View: Audio, PTZ Setting, Color Controls, Page View, Manual Alarm -Playback: Search Recordings, Stretch, Full Screen, Tag Playback, Picture Playback, Download -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. connection subject to the total output bandwidth of UA-XVR1620 *A total of up to 4-channel connection is supported for one non-IE browser.
	Mobile App	Max. connection subject to the total output bandwidth of UA-XVR1620
Playback	PC-Based Software	Max. connection subject to the total output bandwidth of UA-XVR1620 *A total of up to 4-channel connection is supported for each Web browser.
	Mobile App	Max. connection subject to the total output bandwidth of UA-XVR1620
Applications		
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), GV-Recording Server (V2.1.0), GV-ASManager (coming soon) *HD DVR license is required for connecting UA-HD DVR on GV-VMS V17.4.5 or later / GV-VMS V18.3.1 or later / GV-Recording Server V2.1.0 or later (only analog channels supported)
Mobile Phone Support		GV-Eye for iOS and Android (V2.9.1 or later)

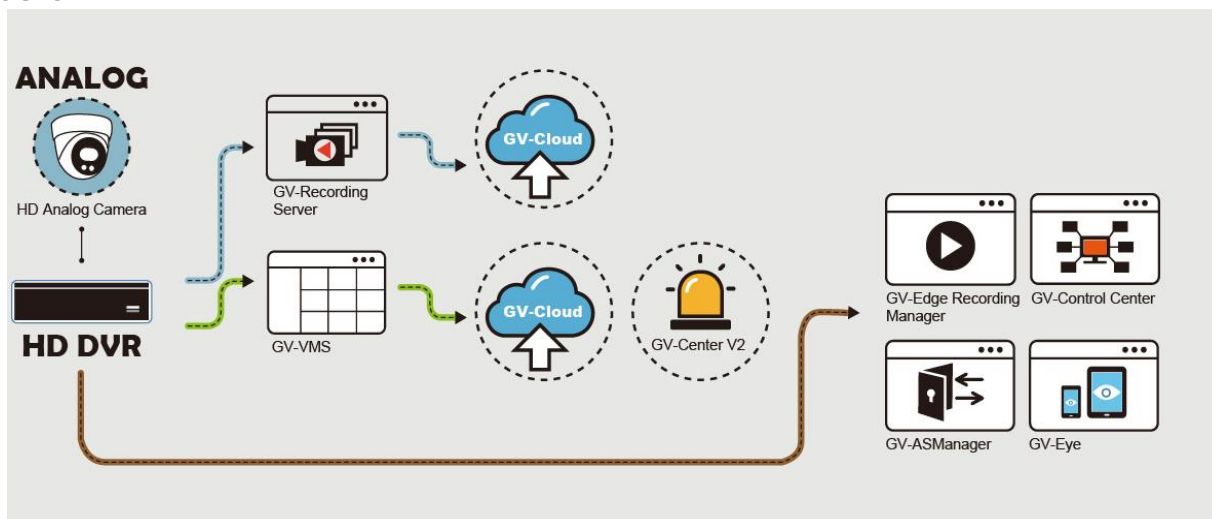
Note:

1. Fisheye dewarping is currently not supported.
2. Certain GV-IP cameras are not supported by the UA-HD DVR. See the [technical notice](#) for details.
3. The maximum remote connection is subject to the total output bandwidth. See the maximum output bandwidth column for the specification.*
4. For system efficiency, it is recommended to use enterprise-level hard disk drives. For the supported hard disk drives, see [UA-HD DVR HDD Compatibility Table](#).
5. To access live view (main and sub stream) and playback remotely using PC-based software or mobile app, make sure the local UA-HD DVR exits the playback interface.
6. 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

