UA-XVL1610 16CH H.265 5MP Lite/2MP HD DVR

- Support H.265 / H.264 video formats
- 16-ch TVI / AHD / CVI / CVBS video input
- 4-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
- 1 SATA HDD up to 8 TB
- 4 alarms inputs and 1 alarm output
- Support P2P function for GV-Eye app
- Support ONVIF cameras

Introduction

UA-XVL1610 is a powerful H.264 / H.265 HD DVR with compact size and supports 16-channel analog camera and 4-channel IP camera inputs, totaling a connection of up to 20 channels. It converts analog signals into high-resolution digitized images up to 5 megapixels. Featuring 4-in-1 video output, UA-XVL1610 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.

Specifications

System			
Operating system			Embedded Linux
No. of Drive Bay			1 (3.5" / 2.5" SATA HDD)
Video			
Video Standard			NTSC, PAL
Video Input	Analog camera		16 channels (up to 20 channels for analog cameras and IP cameras)
	IP Camera		4 channels (up to 20 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	5 MP-Lite at 12 fps for each channel 4 MP-Lite at 16 fps for each channel 1080P at 15 fps for each channel 720P / D1 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 *The sub-stream frame rate is less than the preview frame rate. *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.

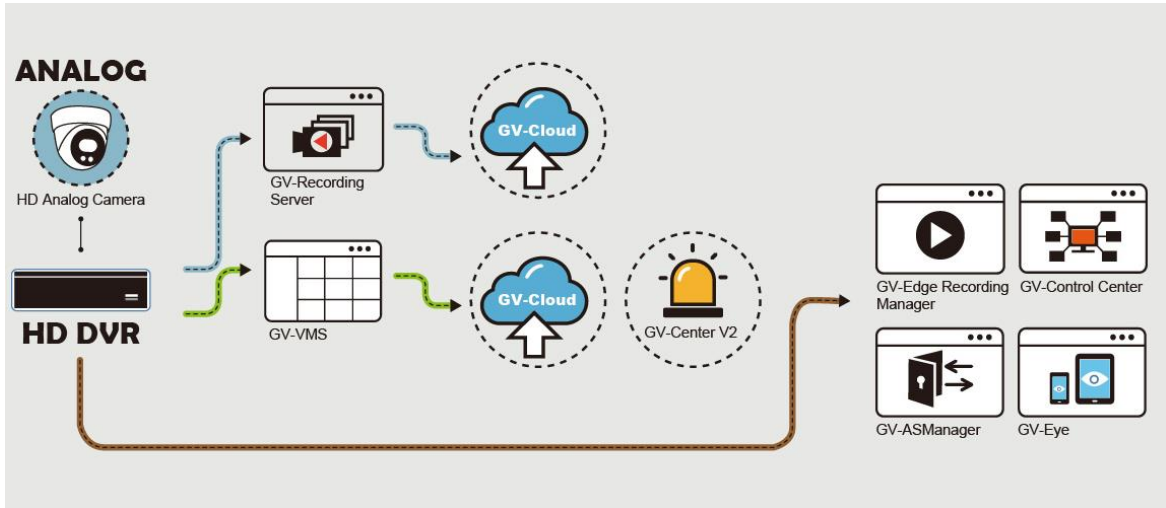| Video		
Display Resolution	Analog Camera	5 MP-Lite at 20 fps for each channel 4 MP-Lite at 30 fps for each channel 1080P / 720P / 960H at 30 fps for each channel
	IP Camera	5 MP / 4 MP / 1080P / 720P *Single channel preview up to 2 MP 30 fps. *Multi-channel preview is only available in sub-stream.
Playback Resolution		5 MP Lite at 96 fps 4 MP-Lite at 128 fps 1080P at 120 fps 720P at 240 fps *A maximum of 8 playback channels is applicable to each resolution.
Max. Bandwidth	Input	16 ~ 80 Mbps *Decoding performance totals 120 fps at 1080P.
	Output*	96 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		4 RCA ports
Compression		G.711
Audio Support		One-way
Management		
Event Management	Trigger	Schedule, Sensor Input, 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
	Web	English / German / Spanish / French / Japanese / Italian / Portuguese / Russian / Turkish
Maintenance		Firmware upgrade through Web Browser or Utility
Network		
Protocol		DHCP, DynDNS, HTTP, NTP, ONVIF, 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		4 in / 1 out, RCA
Alarm Input / Output		4 in / 1 out
RS485		RS485 +/-
Ethernet		RJ45, 100/1000 Mbps
USB		2 ports (USB 2.0 front / USB 3.0 rear)
Monitors	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)		300 x 219.7 x 52.5 mm (11.81" x 8.65" x 2.07")
Weight		1.2 kg (2.64 lb)
Rack Mount		No
Power	Input	AC 100 ~ 240V, 50 ~ 60 Hz
	Output	DC 12 V, 2.0 A, Max. 24 W
Power Consumption		13.8 W (excluding HDD)
Regulatory		CE, FCC, LVD, RoHS, UKCA compliant
Remote Monitoring		
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-XVL1610 *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-XVL1610
Playback	PC-Based Software	Max. connection subject to the total output bandwidth of UA-XVL1610 *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-XVL1610
Applications		
Software Supported		GV-Control Center (V4.1.0), GV-Edge Recording Manager Windows Version (V2.2.0), GV-Recording Server (V2.1.0), GV-VMS (V17.4.5 / V18.3.1) *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 (V2.9.0)

Note:
1. Fisheye dewarping is currently not supported.
2. The maximum remote connection is subject to the total output bandwidth. See the maximum output bandwidth column for the specification.*
3. 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.
4. Product design and specifications are subject to change without notice.

Packing List

1. UA-XVL1610
2. 3.5" HDD Screw Kit
3. 2.5" HDD Screw Kit
4. USB Mouse
5. Power adapter (DC 12V, 2A, 24W)
6. Download Guide

Applications

Dimensions