

G4-XLAHD Commercial Class Digital Video Recorder

PENTAPLEX, REAL-TIME, JOG/SHUTTLE, FEATURE-RICH, EASE OF USE

Product Features

- H.264 Hardware Compression
- Up to 16 Video Inputs, 16 Audio Inputs
- HDMI, VGA, Composite Main outputs
- All Channel Playback
- All Channel Video Loop Outs
- Video Matrix
- Pentaplex
- CIF/All Channel Real-Time Recording
- Up to Two Channel Full D1 recording
- All Channel D1/6FPS
- Up to 480 Frames per Second
- Jog/Shuttle
- Network Sub-Stream
- RAID 1
- VOIP
- USB/E-SATA File Back-up Support



The **G4-XLAHD** digital video recorder is the ultimate in digital surveillance technology. The DVR's very high performance, feature-rich, and ease of use functionality combine to create one of the best standalone systems on the market today.

The **G4-XLAHD** is a commercial class digital video recorder utilizing H.264 hardware compression DSPs. The **G4-XLAHD** can push real-time video and audio recording at CIF resolution on every channel, up to two channels at full D1 (one on 4 or 8ch unit, two on 16ch unit) or 6 FPS at a full 4CIF(D1) resolution on every channel.

The ease of use in this DVR is amazing. Simply plug it in and it begins recording. Mouse control provides very simple point-and-click settings and control. In addition, the unit also includes an IR remote. Use the jog shuttle control to easily fast forward, rewind, and advanced frame-by-frame. You can playback one, two, three, four or ALL channels simultaneously directly off the unit and up to 4 channels simultaneously on the web interface or client software.

Remote viewing, playback, configuration, upgrade, reboot, and backup are all standard on the **G4-XLAHD**. The embedded web server enables users to perform all these remote function via an Internet Explorer web browser, eliminating the need to install software. Client software is also included for central monitoring and alerts for multiple **G4-XLAHD** units. Dual streaming configurations are also a standard feature allowing high resolution recording on the unit locally, while lower bit rates and resolution are used for remote viewing, conserving network bandwidth and increasing remote viewing quality and performance. Two-way voice talk and audio over the Internet is also standard on the **G4-XLAHD**

There are too many features to list, but some of the following include :HDMI,VGA and Composite simultaneous main monitor output, Video Matrix, 10 simultaneous network users, RAID storage, FTP record/backup, email alerts, DDNS support, 3D intelligent PTZ control, power failure auto-recovery, DVD-RW/USB/E-SATA backup, user management and much more.

Full featured 3rd generation digital surveillance technology utilizing a Linux embedded OS, embedded web server, and DSPs bring together the most powerful network-based digital video recorder available without sacrificing usability.

TECHNICAL SPECIFICATIONS

MODELS

G4-XLA4HD	Standard 4ch unit with DVD-RW
G4-XLA8HD	Standard 8ch unit with DVD-RW
G4-XLA16HD	Standard 16ch unit with DVD-RW

GENERAL

Video Inputs	4,8,16 inputs, 1.0Vp-p, 75Ω unbalanced
Video Outputs	3 Main monitor outputs HDMI/VGA/Composite Individual channel loop outs 1 Spot monitor
Audio Inputs	4,8,16 audio inputs (200-2800mV, 30KΩ)
Audio Outputs	1 audio output (200-3000mV, 5KΩ)
Voice Interface	1 (200-2800mV, 30KΩ)
Audio Compression	G.711, 64kbps ADPCM (VOIP standard)
Video Compression	H.264
Preview Resolution	NTSC: HDMI/VGA 1280x1024, 1280x720, 1024x768 Composite 800x600
Compression Resolutions	NTSC: 704 x 480 (4CIF) NTSC: 352 x 240(CIF)
Color	16.7 Million
Stream Type	Video or Video/Audio
Bit Rate	56kbps ~ 2Mbps (user-defined), variable
Recording Frame Rate	CIF Resolution: 30 frames/sec/channel 4CIF Resolution : 30 FPS on one or two channels 4CIF Resolution: 6 frames/sec/channel
Record Quality	Highest, Higher, High, Average, Low, Lower, Lowest
Record Mode	Schedule, Motion, Alarm (individual or combination)
Playback Mode	Date/Time Search or Event Search
Operation Mode	Pentaplex (simultaneous monitor, record, playback, network, and backup)
Motion Detect	Area Division: 22 x 15, on/off selectable Motion Detect and Relay On Simultaneous
Privacy Masking Alerts	Yes
View Tampering Alerts	Yes
Network Function	Internet Explorer and Client Software
Alarm	8 & 16ch: 16 Alarm Inputs / 6 Relay Output 4ch: 4 Alarm Inputs / 3 Relay Output
Back-up	DVD-RW / USB / Network/ E-SATA
RS485	Keyboard Controller / PTZ
HDD Interface	4 SATA. Internal bracket supports 1 DVD-RW plus 3 HDD or 4 HDD.
HDD Management	Hibernation, HDD faulty alarms, RAID (redundancy)

MECHANICAL

Video Inputs	BNC female
Video Output	BNC female
Monitor Output	HDMI, VGA, BNC
Audio Inputs	Channels 1-4 BNC female, remaining are RCA female
Audio Output	BNC female
Alarm Inputs	Screw Terminals
Alarm Outputs	Screw Terminals
RS485	Screw Terminals
Network	RJ-45 10M/100M UTP
VGA	9-pin D-sub female
USB	USB 2.0 Type A port
IR Remote Controller	Standard, Addressable
Voice Interface	

ELECTRICAL

Power Requirements	110V 60 Hz, 220V 50Hz
Power Consumption	22W ~42W (without HDD)

ENVIRONMENTAL

Operating Temperature	
Operating Humidity	10-90% RH Max.

PHYSICAL

Dimensions	19in. 2U 440(w) x 89(H) x 460(D)mm
Weight	20 lbs approx. (without HDD)
Shipping Weight	23 lbs approx.