

## G4-LTA H.264 Digital Video Recorder

4 CAMERA INPUTS, PENTAPLEX, 120FPS, WEB VIEWER, USB

### Product Features

- H.264 Hardware Compression
- 4 Video Inputs, 1 Audio Input
- Pentaplex
- Real Time Recording
- USB Drive Support
- Complete Remote Access
- Dual Stream Networking
- RS485 PTZ Support
- Channel Independent Configuration
- Central Monitoring Software
- Embedded Network Web Server
- Digital Motion Detection
- IR Remote Controller



The G4-LTA digital video recorder is the economy version of the Enterprise Class G4-RTA series that combines value and powerful H.264 performance.

Like the G4-RTA, the G4-LTA is an enterprise class digital video recorder utilizing an H.264 hardware compression DSP from Texas Instruments. The G4-LTA can push video and audio recording at a CIF resolution on every channel, realtime.

The versatility of this unit is extensive. Each camera input can be independently configured with variable bit rates, frame rates, record modes, compression, and more. Options with audio recording use the OggVorbis audio standard at a 16 kbps bitrate. The output video and audio streams are integrated to comprise the synchronized H.264 stream. Video and audio coincide with each other from beginning to end.

The USB 2.0 port allows video and images to be saved to a USB flash drive, USB external HDD, CD-RW/DVD-RW for simple data transfer. The network software allows for files to be copied to a PC or server. The USB also allows mouse support (mouse included).

Remote viewing, playback, configuration, upgrade, reboot, and backup are all standard on the G4-LTA. 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 as many as 16 G4-LTA units. Synchronized audio is available through the client software or Internet Explorer

Up to 2 terabytes of storage can be installed in the unit, providing years of recording under proper recording parameters.

3<sup>rd</sup> generation digital surveillance technology utilizing a proprietary OS, embedded web server, and TI DSPs bring together the most powerful network-based digital video recorder available.

\*VGA support optional

# TECHNICAL SPECIFICATIONS

## MODELS

G4-LTA Base 4ch unit w/o HDD

## GENERAL

Video Inputs	4 inputs, 1.0Vp-p, 75Ω unbalanced
Video Outputs	1 Main Monitor 1 Channel Loop Out
Audio Inputs	1 audio (2.0Vp-p, 1KΩ)
Audio Outputs	1 audio output (linear output, 600Ω)
Voice Interface	1 (linear, 1KΩ)
Audio Compression	OggVorbis, 16kbps
Video Compression	H.264 Texas Instruments Hardware Based
Preview Resolution	NTSC: 704 x 480 (4CIF)
Compression	NTSC: 352 x 240(CIF)
Resolution	NTSC: 176 x 120(QCIF)
Color	16.7 Million
Stream Type	Video or Video/Audio Synced
Bit Rate	32kbps ~ 2Mbps (user-defined), variable
Recording Frame Rate	120 frames/sec
Record Quality	Highest, Higher, High, Average, Low, Lower, Lowest
Record Mode	Schedule, Motion, Alarm, Motion or Alarm, Motion & Alarm, Command Trigger
Playback Mode	Date/Time Search or Event Search
Operation Mode	Pentaplex (simultaneous monitor, record, playback, network, and backup)
Motion Detect	Area Division: 16 x 12, on/off selectable Motion Detect and Relay On Simultaneous
Privacy Masking	Yes
View Tampering	Yes
Network Function	Internet Explorer and Client Software
Alarm	4 Alarm Inputs / 1 Relay Output
Back-up	USB / Network
RS485	PTZ
HDD Interface	1 IDE, HDD can support 2000GB
Optional VGA Interface	1, Support 800×600/60Hz, 800×600/75Hz, 1024×768/60Hz

## MECHANICAL

Video Inputs	BNC female
Video Output	BNC female
Monitor Output	BNC female
Audio Inputs	RCA female
Audio Output	RCA female
Alarm Inputs	Terminal Block
Alarm Outputs	Terminal Block
RS485	Terminal Block
Network	RJ-45 10M/100M UTP
VGA	9-pin D-sub female
USB	USB 2.0 Type A port
IR Remote Controller	Standard

## ELECTRICAL

Power Requirements	100~240VAC, 6.3A, 50~60 HZ
Power Consumption	20W ~42W (without HDD)

## ENVIRONMENTAL

Operating Temperature	14° to 131°F (-10° to 55°C)
Operating Humidity	10-90% RH Max.

## PHYSICAL

Dimensions	316(w) x 49(H) x 235(D)mm
Weight	3.55 lb approx. (without HDD)
Shipping Weight	5.45 lbs approx. (without HDD)

## OPTIONAL ACCESSORIES

Mouse	USB Scrolling Optical Mouse
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