

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

No hard drive size limitation. This unit can provide a year of recording under proper recording parameters.

3rd 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
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