



## Product Overview

Symmetry™ Edge Network Video Server (ENVS®) provides a flexible video management hardware platform for organizations moving towards digital video while operating under the constraints of today's legacy camera installations.

Featuring high quality MPEG-4 video encoding, the Symmetry ENVS supports standard analog cameras and is available in one or four channel models. The Symmetry ENVS provides full software and peer to peer level integration with our market leading range of security management products.

Video can be tagged on any event triggered from an access control or intrusion system. For example, a minute before and after a door is opened, video can be provided for longer term storage or the configuration of the video can be changed.

The frame rate, video resolution, presets and any other settings can be adjusted for individual cameras to react to predefined triggers or on a timed basis. This provides an unparalleled level of security integration for any organization and can dramatically reduce the storage requirement for video.

The ENVS is integrated with the Symmetry Network Video Recorder (NVR) Software which allows video to be stored on standard PC based network storage local to the cameras while making it available for viewing anywhere on the network.

## Key Features

- Video tagging of recordings for intrusion or access control activity
- 1 and 4 channel models offer flexible configuration of MPEG-4 video from standard analogue cameras
- Complete control over frame rate, video resolution and other settings on a timed and trigger basis
- MPEG-4 compression technology
- Integrates with Symmetry Video Management software as part of a complete open solution for IP and DVR video
- Integration with multiNODE panels at peer to peer level
- Available integrated into a single multiNODE enclosure with power supply allowing battery backup in event of power failure
- PTZ support
- Motion detection supported as standard
- Integrated web server for configuration
- Video loss alarm capability

## Specifications

### Enclosure

- Available in standard enclosures; CAB3, CAB4, and MN-2 either standalone or integrated with multiNODE database controllers.
- Rack mount model available (see datasheet)

### Operating Environment:

- +40°F to +120°F (5°C to +48°C)

### Power Requirements:

- Supply Voltage: 12VDC
- Consumption: Approx. 12 watts
- Battery backup options: Dependent on enclosure
- Power supply options: Integrated in enclosure or external



#### Network:

- Interface: Integrated 10/100 NIC Auto-sensing Half / Full Duplex
- Configuration: via Integrated Web Server or Security Management software

#### Protocols:

- TCP/IP, RTSP/RTP, HTTP, SNTP, DHCP, UPnP

#### Software Update:

- Network updates over LAN / WAN

#### Alarm I/O:

- 4 opto-isolated inputs, 2 relay outputs

#### Video:

- Inputs: Up to four NTSC or PAL analog Coax camera inputs with software selectable 75 ohm termination
- Outputs: RJ45 Ethernet; RS-232 for peer to peer multiNODE integration; 9 PIN RS-232 / RS422 / RS485 for PTZ
- Compression: MPEG-4 Simple Profile (ISO 14496)
- Video Data Rate: Configurable between 64kbps and Mbps
- Resolution: Up to 720 x 480 (D1/4CIF NTSC) configurable by camera
- Frame Rate: Up to 30 NTSC (25 PAL) frames per second per camera

#### LAN / WAN Bandwidth Utilization \*:

- MPEG-4 Compression
- \* *Dependent on frame rate, resolution, bit rate, amount of motion and other factors. Bandwidth calculator available.*

#### Configuration examples \*:

- 1 camera – 30 FPS – 4CIF
- 2 cameras – 15 FPS – 4CIF
- 4 cameras – 15 FPS – 2CIF
- 4 cameras – 30 FPS – CIF

\* *Dependent on bit rate, amount of motion, configuration and other factors. Other combinations and event / time based adjustment possible.*

#### Storage:

- Direct to Symmetry NVR

## Purchasing Information

#### G4T-ENVS-400-I

4 camera ports, with Mounting Brackets

#### G4T-ENVS-100-I

1 camera port with Mounting Brackets

AMAG Technology Inc. is a subsidiary of G4S Technology Limited. ©COPYRIGHT AMAG Technology 2009.

AMAG Technology is a Microsoft Gold Certified Partner for Security Solutions. Symmetry, ENVS, and TLM are registered trademarks of G4S Technology Limited. Microsoft is a registered trademark of Microsoft Corporation. All other brand names and product names are trademarks or registered trademarks of their respective owners.

Information contained in this literature is representative only and does not form part of a contract. Our policy is one of continuous product improvement and details may vary without notification. We are committed to providing defect-free products and services to our customers in partnership with equally committed suppliers and authorized dealers.

9700-1006  
12/09

