



Symmetry ENVS[®]

Edge Network Video Servers

8-Channel Rack Mount

www.amag.com

Product Overview

The 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 DSP video encoding, the Symmetry ENVS supports standard analog cameras and is available in an eight channel rack mount model. 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 prioritized for long 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 camera while making it available for viewing anywhere on the network.



Standard Features

- Video tagging of recordings for intrusion or access control activity
- 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
- PTZ support
- Motion detection supported as standard
- Integrated web server for configuration
- Video loss alarm capability



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Specifications

Enclosure

- 1 U high industry standard rack mount enclosure.

Operating Environment:

- +40°F to +120°F (5°C to +48°C)

Power Requirements:

- Supply Voltage: 100 – 240 AC
- Consumption: 1.2A Max

Network:

- Interface: Integrated 2 x 10/100 NIC Auto-sensing Half / Full Duplex
- Configuration: via Integrated Web Server or Security Management software

Protocols:

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

Software Update:

- Network updates over LAN / WAN

Alarm I/O:

- 8 opto-isolated inputs, 4 relay outputs

Video:

- Inputs: Up to eight NTSC or PAL analog Coax camera inputs with software selectable 75 ohm termination
- Outputs: 2 x RJ45 Ethernet; 2 x RS-232 for peer to peer multiNODE integration; 2 x 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*:

- 2 cameras – 30 FPS – 4CIF
- 4 cameras – 15 FPS – 4CIF
- 8 cameras – 15 FPS – 2CIF
- 8 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-800-R

- Rack Mount ENVS – 8 Camera Ports

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