

# GE Infrastructure Security

**SymDec 4** introduces “hybrid” recording that works with both conventional analog cameras and the new family of GE digital network products. This unique platform provides a graceful migration path to digital recording – the future of video recording – and at the same time allows continued use of existing analog equipment.

With the SymDec 4, users can record full-size images in real time on every channel. Using MPEG-4 compression, SymDec records at 60 pictures per second. MPEG-4 technology produces small but high-quality files for network streaming.

SymDec incorporates virtual Triplex functionality for simultaneous viewing, playback, and recording of video. It offers four channels of analog recording, one channel of digital recording, and one channel of SpeedStream™ recording all at D1 resolution (720 x 540). Using SpeedStream, users can stream a quad view of the four analog inputs to reduce network bandwidth.

SymDec includes full search capabilities by time, date, and hardwired alarms. Each unit features alarm handling with a history log and alarm notification via email.

SymDec can be easily networked and viewed remotely via 10/100Base-T

Ethernet. The recorders utilize Dynamic IP Addressing (DHCP) and support Dynamic Domain Name Server (DDNS). GE Security’s SymNav software allows viewing of live and recorded video from multiple SymDec units.

A simple menu system allows setup of the unit via virtual keyboard software included with every unit. The software can be used for setup when a recorder is connected to a computer via Ethernet or RS-232.

Each SymDec recorder with a 300GB hard drive is capable of holding as much as a full week of video with high-quality images and audio. Models are also available with 600GB hard drives for even more storage.

A form factor that measures one-half rack unit wide by 2U high allows SymDec to fit easily into a standard 19-inch rack. Some models of the SymDec 4 are equipped with a removable hard drive caddy for portable storage or evidence transfer.

## Features

- “Hybrid” technology records both analog and digital inputs
- High frame rate of 30 frames per second, per channel
- Full frame, interlaced field recording of 4 analog inputs and 1 MPEG-4 digital input at D1 resolution
- SpeedStream™ quad streaming with 120 pps at D1 resolution
- Audio recording on all channels
- Virtual Triplex operation allows simultaneous recording, live viewing, and playback
- Compatible with GE Security’s SymVeo IP cameras and SymNav network client software

## SymDec 4

4-channel digital video streaming recorder





# Specifications

Americas  
503-885-5700  
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faxback 800-483-2495  
info@gesecurity.com  
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Australia  
tel 61-3-9259-4700  
fax 61-3-9259-4799

Europe  
tel 32-2-725-11-20  
fax 32-2-721-86-13

Latin America  
tel 305-593-4301  
fax 305-267-4300

## Video

- Video signal input: 0.7 to 1.4 V p-p with automatic gain control
- Video signal output: 1 V p-p at 75 ohm
- Input termination: 75 ohm
- Colors: YUV 4:2:2, 16.8 million colors
- Grayscale: 256 levels
- Horizontal resolution: 720 pixels
- Vertical resolution: 480 lines
- Video compression standard: MPEG-4

## Audio

- Audio input: 315 mV, 400 kOhms, unbalanced
- Audio output: 315 mV, 600 ohms, unbalanced
- Audio compression standard: MPEG-1

## Electrical

- Power supply: 120 to 240 VAC, autoranging adapter

## Connectors

- Accessory I/O port: 16-way, 2-row terminal block
- RS-232 serial port: DB-9
- Composite video in: BNC (4)
- Composite video out: BNC (4)
- Audio in: RCA (4)
- Audio out: RCA (4)
- 10/100 Ethernet port: RJ-45

## Environmental

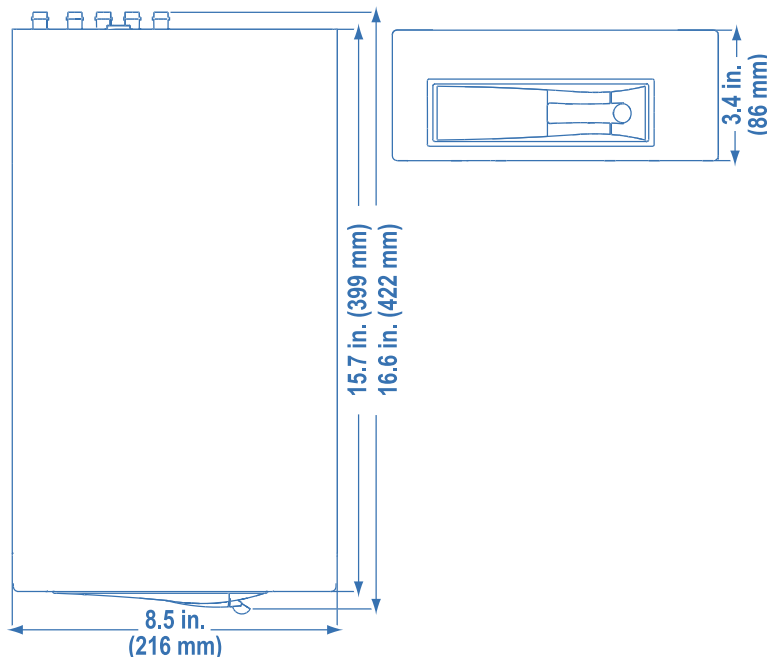
- Operating temperature: 32 to 104°F (0 to 40°C)
- Storage temperature: -4 to 140°F (-20 to 60°C)
- Relative humidity range (noncondensing): 10 to 95%

## Physical

- Dimensions (HxWxD): 3.4 x 8.5 x 16.6 in. (86 x 216 x 422 mm)
- Weight: 9.25 lb. (4.20 kg)

## Regulatory

- FCC, CE



## Ordering Information

SymDec 4-300 SymDec 4 digital video streaming recorder with 300GB hard drive

SymDec 4-600 SymDec 4 digital video streaming recorder with 600GB non-removable hard drive