

Eventys DVR Solutions

The very latest in DVR Technology.



Bewator Eventys Product Family

Our digital recording solutions are designed with flexibility in mind; all have integration capability with 3rd party equipment and can support system expansion, extending the life span of any security system.

The Eventys range extends from our 4 and 16 channel Lite DVRs to our Pro-Net Digital Video Management System, which can integrate with the Granta Access Control system and RMC, (our Remote Management Centre software).

Powerful, Seamless, Reliable



Digital Security Solutions are at the heart of modern security systems. From town centres to retail shopping centres, hospitals, airports or universities, the need for technologically integrated and flexible security systems is increasing.

Our Eventys Lite DVR, is a cost effective, simple to use, mid-range system, offering high range performance for a fraction of the price.

We believe in making the transition from analogue to IP based systems as smooth as possible, both for installers and end-users. This is why our Eventys PRO-NET range supports both IP and analogue cameras, with remote operation and networking capabilities.

All Eventys Pro-NET models can be integrated with the Granta Access control system, offering a total security solution.

Powerful. Seamless. Reliable.
This is what we design our digital solutions to be.

Simple Viewing.

Eventys Lite is a cost effective and feature rich Digital Video Recorder which uses the latest MPEG4 compression engine. The Eventys Lite range of DVR's offer exceptional picture quality and comprehensive recording options, combined with a simple intuitive menu structure. The 16 way DVR's are fitted with a removable hard disk caddie to allow easy removal and storage of sensitive evidence. The built in DVD writer and USB 2 devices allow the user to quickly and easily export CCTV footage as required. The 4 and 16 channel Eventys™ Lite units have been specially designed for small to medium applications such as retail outlets and petrol stations, or for general site monitoring where high quality images, speed and reliability are paramount.

Easily Exported Video / Audio

Video clips can easily be exported for evidential purposes.

- Simple to use export menu
- Digitally watermarked images for high security
- Choice of export to CD, DVD, USB memory stick or to remote drives
- Standalone viewer software for exported video
- Hard drive can be removed to secure evidence (Subject to model)

Alarm Management

Alarms can easily be configured to start recording and activate external devices.

- Up to 16 Alarm in contacts, 3 programmable outputs
- Fully configurable with day / night and weekend profiles
- Email notification of events
- Remote software notification
- High Speed Recording on Alarms
- Flexible motion detection settings



Turbo Model

- The turbo model allows real time, 25 ips, recording across all 16 cameras
- Remote access transcoding feature for efficient bandwidth use

Remote Monitoring

Eventys Lite DVRs are fitted with a LAN port to enable remote access. This ensures high quality live and recorded images can be accessed/viewed remotely. All access is of course password protected.

The browser based interface allows both the DVR and certain PTZ heads to be configured via the network. Remote alarm notification is also possible using the free Eventys Alert software.

Keyboard

The Eventys Lite keyboard with 3-axis joystick provides seamless PTZ control, and DVR configuration with full access to the set up menus.

Up to 16 Eventys Lite DVR's and 223 PTZ cameras or domes can be controlled by the Eventys keyboard.

The keyboard can be used as a stand alone device to provide control of domes and monitor switching using our Coax Control unit.



Key features

Integration

- Integrates with V3i matrix to allow control from V3i keyboard
- Built-in multiple dome camera control protocols; Molynx, Pelco P, Pelco D, AD422 and JVC etc
- USB port for export to memory sticks
- Option: ASCII Input support for cash register integration (EPOS) or Text Overlay / data search from text eg Access Control reports
- NAS (network attached storage) Available in 1TB or 2TB Models

Flexible Alarm & Motion detection

- Up to 16 Alarm inputs and 3 outputs
- Motion detection with day / night / weekend profiles
- Easy Alarm Search function by Event or time

Synchronised audio recording

The 4 and 16 way Eventys Lite DVRs support multiple video and 2 audio channels which record simultaneously. Users can monitor and play back recorded data with both audio and video information synchronized (subject to minimum frame rate requirements), for enhanced security and evidence gathering.

Powerful network functions

The 4 and 16 channel models offer easy-to-use Internet accessibility thanks to an integral network interface. Remote monitoring, video playback, system configuration and dome control are all possible via a LAN connection.

Recording & Storage

- Built-in DVD/CD R/W for archiving recorded video
- Removable Hard Disk Drive
- Powerful Motion MPEG4 compression engine
- Programmable recording quality per camera
- Intelligent record, search, and playback functions
- 2 channel audio recording and playback

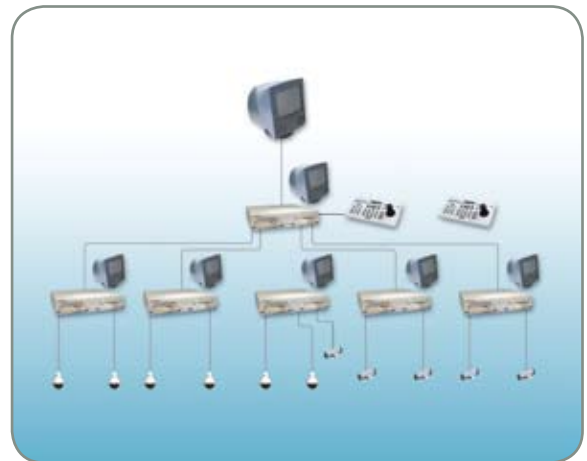
Benefits of the Eventys Lite 16 channel DVR's are:

- 31 days recording at high quality recording
- DVD-RW writer, USB and LAN / Network card built in
- VMD - Motion detection system
- Dome control over the Network and locally using the 3 Axis keyboard (optional)
- Integration with V3i and other security platforms

Using the latest MPEG-4 compression, combined with a LINUX operating system ensures that the Eventys lite models are fast, reliable and ideally suited for all smaller security applications.

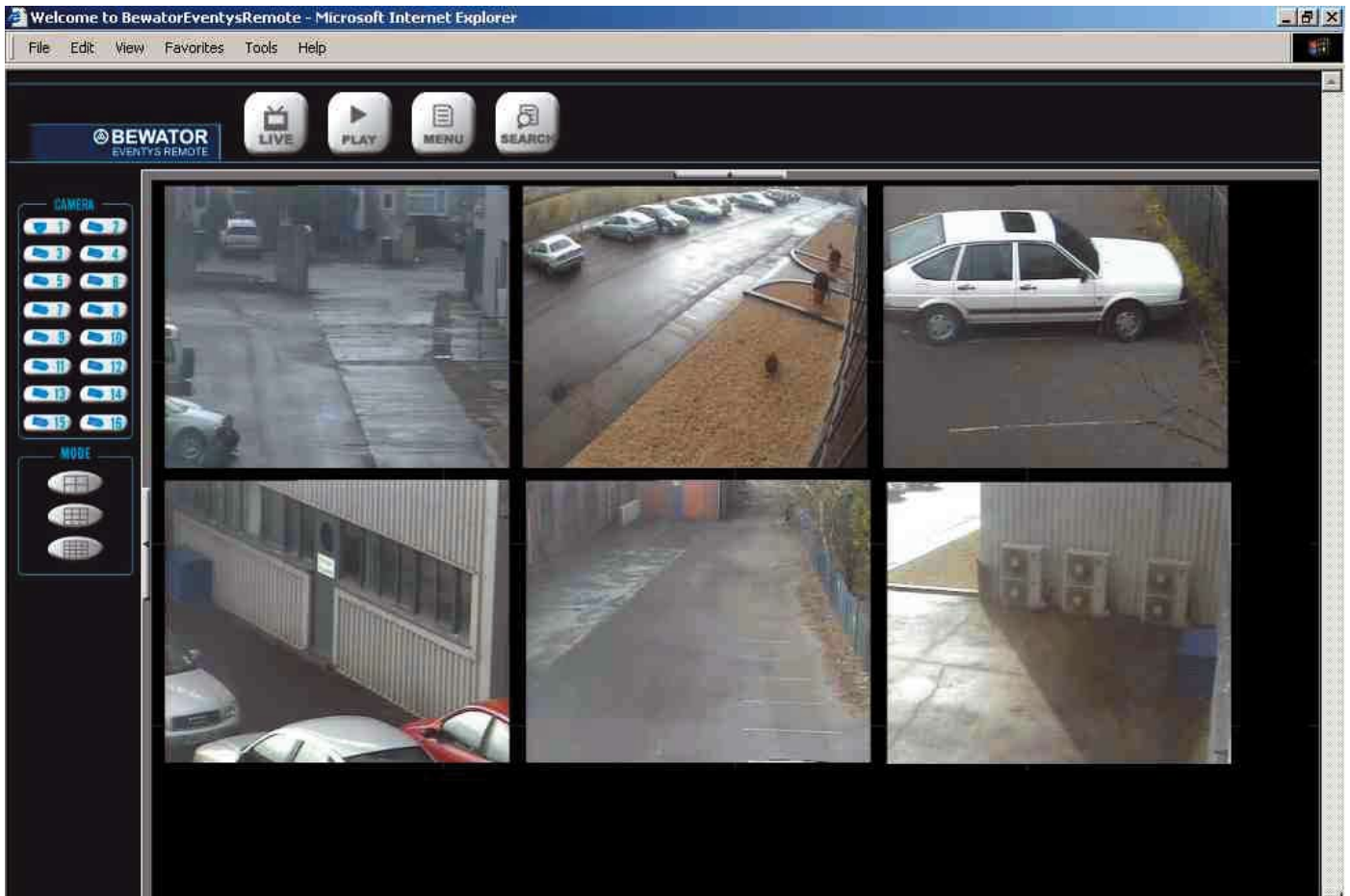
Eventys Lite specification

- Video Inputs: 16 way
- Video Standard: PAL / NTSC
- Video Outputs: VGA (800x600, 1024x768, 1280x1024 @ 60Hz), Other (SVGA or composite 1 main monitor, composite 1 spot monitor)
- Compression: MPEG-4
- Frame Rate/Resolution: 100 ips @ 360 x 288
100 ips @ 720 x 288
50 ips @ 720 x 576
- Turbo model : Real time, 25 ips, (recording across all 16 cameras)
- Media Export: DVD-RW/CD-RW, USB
- Media Export Format: AVI or Native DRV
- Internal Storage Options:
500 GB, 750 GB, 1 TB or 1.5 TB
- Audio: 2 Channels (Programmable)



- On board web browser
- 400 ips- live 16 camera real time viewing
- Recording speeds from 200ips upgradeable to 400ips (using additional Turbo card)
- Removable hard disc
- Network software for remote viewing of cameras available
- Triplex operation – Live, Recorded and playback functionality
- OPTIONS: CMS Software
EPOS

Remote Monitoring Screen Shot



Keyboard



Eventys Lite: Simple, Effective, Reliable

Technical specifications

Feature	16 Channel
Colour Option	Black
Recording	
Compression	MPEG4 Advanced Simple Profile
Recording Resolutions & Rates	720 x 576 @ 50 fps (100 fps with optional turbo module) 720 x 288 @ 100 fps (200 fps with optional turbo module) 360 x 288 @ 200 fps (400 fps with optional turbo module)
Recording Quality	8 Preset Levels, 2K to 20K per picture
Storage Mode	Linear / Circular
HDD Options	500GB, 750GB, 1TB or 1.5TB
Video	
Video Operation	Triplex+ (Live, Record, Playback, Web Access)
Live Video Resolution	720 x 576
Video Outputs	Main Monitor (composite), Call Monitor (Composite) , VGA (main)
VGA Output	800 x 600, 1024 x 768, 1280 x 1024 @60Hz
Refresh Rate	200 or 400 fps
Digital Zoom	2 x 2
Playback	
Playback Controls	Play, Stop, Pause, RW, FF Search - includes Jog/Shuttle wheel
Speed Adjustments	1X, 2X, 4X, 8X, 16X, 32X
Retrieval	Date & Time or Event
Data Lifetime	Programmable
Export	Built in DVD-RW Drive, USB – AVI or Native DRV format
Storage	
Internal HDD Options	16Ch = 500 GB, 750 GB, 1 TB and 1.5 TB
External	NAS Storage - EVL RAID (Available in 1TB or 2TB Models)
Alarm	
Alarm Input / Output	16 Ch = 16 inputs / 3 Outputs on all models All programmable for N/O or N/C
Motion Detection	12 x 16 Grid. Sensitivity and threshold adjustment
Video	Video Loss detection
Audio	
Input	RCA x 2 Line In
Output	RCA x 2 Line Out
Recording Mode	Real Time Synchronised with Video
File Size	8KB / Sec
Communications	
Network Connectivity	Ethernet RJ-45 connector, 10/100Mbps, supports DHCP/PPPoE/DDNS
Remote Access Software	Browser Based
Access Control	2 Level Password
Remote Operation	Monitoring, Playback, Recording, System Setup, Dome Camera Control
RS232C	D-sub 9 pin female
RS485	Terminal Block
Dome Control Protocol	Molynx, JVC, DynaColor, Pelco P, Pelco D, AD422, Fastrax 2

DVR Technology that lives up to expectations.

The Eventys™ PRO NET offers the very latest in digital technology. In addition to supporting IP and analogue cameras simultaneously, the PRO NET now offers 4CIF / D1 resolution recording, and real time recording. Using a combination of the very latest processor power and Mpeg 4 compression with up to 3TB of internal RAID storage, the PRO NET is capable of providing solutions for the most demanding of applications.

Robust, reliable and cost effective storage

The Eventys Pro Net range can have up to 3TB of internal RAID storage. Machines are available with 1, 2 or 3TB of internal storage. This allows the Pro Net to store high quality images for more than 60 days.

The Eventys Pro Net DVR's are configured for RAID0 but can easily be changed to RAID5 for critical storage. All machines are fitted with a separate drive that contains the operating system, leaving the storage drives completely free for pure video storage.

NVR version

The Pro Net is also available as a pure NVR with support for Megapixel cameras. The NVR can support up to 50 network cameras and simultaneously support JPEG and MPEG4 streams.

Clear intuitive interface

Pro Net has been designed to be easy to use with familiar tree structures for all elements of the system.

The powerful profile editor allows the administrator to set user privileges and access system elements.

Key features

- 8,16 or 32 analogue video channels
- MPEG4 or JPEG Compression
- Up to 400ips Frame Rate
- IP and Analogue cameras simultaneously
- Built-in CD/DVD Writer
- Built-in RAID on 1TB, 2TB and 3TB Models
- Separate system disk leaving storage disks for pure video
- Internal Temperature Management
- Audio options for 2 or more channels *
- Integrates with Visilynx video matrices



Operational Benefits

Eventys Pro has been designed to provide a high performance flexible solution for video, audio and alarm management.

• Voice over IP

Eventys Pro Net supports VoIP which allows audio channels to be set up over IP networks.

• Analogue audio

Each machine can be equipped to handle up to 16 audio channels. These can be set up to alarm on high or low audio, they can also be associated with a video channel for fully synchronised sound recording.

• Analogue video out

The machine can be equipped with an analogue video out card that allows user switching of video input channels to analogue output channels. Up to 4 outputs are available. (Single Analogue switchable output as standard). The machines are also fitted with VGA output cards that also support analogue out.

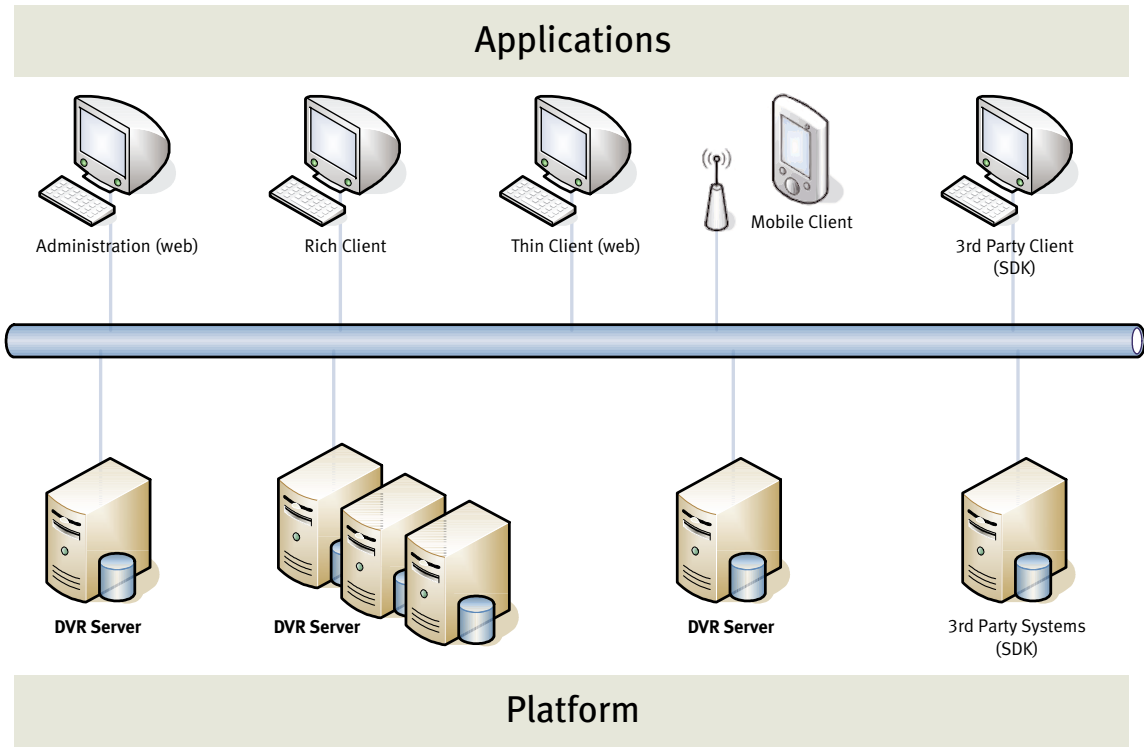
• Time Synchronisation

Up to x50 recorders can be time synchronised with a single master unit where all video images can also be viewed - similar to a central management software solution.

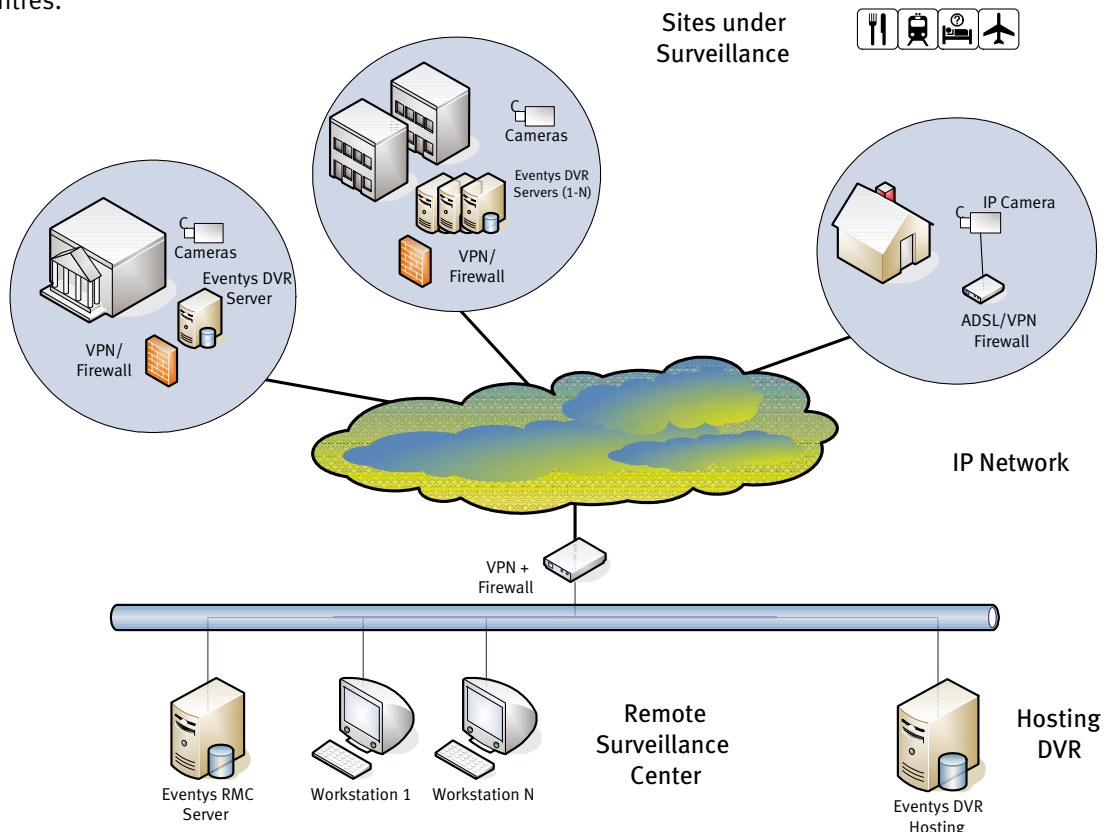
- Advanced and easy to use replay features incorporating intuitive searching (graphical, event, motion, date & time)
- Individual camera recording and event settings
- Advanced retrospective motion detector
- Compatible with Molynx protocol and 3rd party dome cameras (via additional RS485 adaptor)
- Image authentication
- Backup/archive/redundancy
- Tools that permit image enhancement without altering master recording copy

True Scalability and Flexibility

Eventys Pro Net is truly scalable from a single DVR to 20 DVRs and 20 Clients as standard. Further DVRs can be added by licence upgrade.



The distributed nature of the Eventys Pro Net allows easy implementation of remote surveillance systems for monitoring centres.



Advanced Motion Detection and Alarm Management

1

Motion Detection

The Eventys Pro Net has an advanced multi-layer motion detection feature that minimises false triggers due to moving trees, rain or snow. Comparative motion detection compares two consecutive video images and analyzes the changes between them. Adaptive motion detection adapts to continuous movements in the camera view (e.g. trees, leaves, snow or rain) and learns to filter these out from detected motion. Several calendar masks (e.g. for working hours, evenings, weekends) can be designed. There is also a separate year calendar tool for special days.

2

Easy Event Search and Bookmarks

Alarm events are easily found using a powerful set of search tools. Activity Search allows the user to search for activity within single or multiple camera archives and playback a selected period.

The motion search feature allows the user to select an area of a given recorded image, and search for movement. Incoming alarms from relays or other devices can also be filtered and the associated video played back easily and quickly. Once the event video has been selected it can be book marked for quick retrieval later.

3

One-click Media Export

Media clips can be exported very simply at the click of a button. These clips are saved as Windows Media files to facilitate playback on any computer.

4

Alarm Management

Alarms are listed by source, type and time. Clicking on the alarm plays back the recorded alarm sequence. Procedures can be added to alarms for users to follow.

5

Multi layer maps

The Pro Net supports a map feature that allows the user to build a graphical representation of a site, with icons to represent camera locations. Alarms cause the icons to flash allowing the user to click and view the camera images. The maps can be multi layered to allow drilling down through sites, building and rooms.

6

Text Analysis

The Pro Net supports data acquisition through serial or TCP/IP interfaces to EPOS systems, Access Control Systems, Intruder systems and ANPR systems. The text input can trigger alarms under pre-defined conditions and can be linked to video sources for later analysis. Each system is different so this needs to be handled on a project by project basis.

Systems specification

8, 16 and 32 Channel DVRs

	8 Channel 200 fps	16 Channel 400 fps	32 channel 192 fps
Compression	MPEG4 Only	WMC9 / MPEG4	WMC9 / MPEG4
Frame rates			
CIF	200	400	192
2CIF	200	200	96
4CIF	N/A	100	48
D1	200	N/A	N/A
Single Camera	25 @ D1	25 @ CIF	6 @ CIF
Resolution			
CIF	352*288	352*288	352*288
2CIF	704*288	704*288	704*288
D1	750*576	750*576	750*576
Average Image Size kB			
CIF	5-7KB	5-7KB	5-7KB
2CIF	7-10KB	7-10KB	7-10KB
4CIF	N/A	10-13KB	10-13KB
D1	10-13KB	N/A	N/A

Common Specification

Storage	
Onboard	500Gb, 1TB, 1.6TB, 2TB, 3TB
Type	RAID0 – User configurable for other RAID modes
External	NAS / SCSI RAID
Audio	
Channels	1 stereo / 2 mono as standard
Sampling	22 Khz
Recording	Compressed or Uncompressed
Video Export	
Media	Built in DVD Drive
File type - Video	Wmv
File type - Stills	Jpeg, gif, tiff, png and bmp
Watermarking	Yes
PTZ Protocols	Molynx, Bosch, Ermiter, JVC, Panasonic, Pelco, Sensormatic
Supported IP Cameras*	Axis, Sony, Panasonic, Mobotix
Supported Megapixel Cameras*	IQeye, Arecont, Axis, Bosch, Mobotix, Panasonic

Optional Video Outputs	
16&8 channel DVR	
32 channel DVR	4 main Outputs
VGA Output	Dual VGA Outputs
Optional Alarm Cards	
All models	16 Inputs / 8 Outputs
Security and Authentication	
User authentication	Username and password protection
User Levels	Users
	Users with monitoring rights
	Administrators
Image authentication	
	Data watermarking and media clip authentication

* See product data sheets for exact models

Eventys Pro Net





BEWATOR

A Siemens Business

Siemens Building Technologies Security Products

- Brecon House, Llantarnam Park, Cwmbran, NP44 3AB
- Tel: 0871 386 0800 (Switchboard) • Fax: 0871 386 0888
- www.siemens.co.uk/buildingtechnologies/securityproducts
- E-mail: securityproducts.sbt.uk@siemens.com

