



### Features

- High performance DSP with H.264 Video compression scheme
- Support up to 4CIF
- Audio recording
- Multi channel playback
- Video loop through outputs
- External trigger inputs and relay outputs
- Video Motion Detection on each channel
- Max 4 HDD's, or 2 HDD's and DVD-writer
- Support USB-flashdisk
- Web interface for easy setup
- Supports commonly used PTZ control protocols
- Built-in DNS service
- Automatic email notification of events with snapshot attachment
- Allows seamless connection to the Spectator Service Center (SSC)

### Description

Spectator's DVR-ELE is the new and improved successor of the entry DVR SP-DVR-LE series. Apart from a new look the new ELE range comprises major improvements in specifications and functionality. Some of the important changes in this new series are the dual stream video compression engine, 4CIF recording features and a complete renewed Graphical User Interface. The new jog shuttle offers a user friendly interface for local control.

The new ELE series DVR's are based on dedicated hardware, using the powerful TI DaVinci processor for the video compression tasks and a reliable embedded Linux Operating System. The OS and system firmware use a flash memory and are independent of the status of the HDD.

Thanks to the S.M.A.R.T. technology the HDD's are continuously monitored. Only one HDD is active while other disks are in sleep mode. It is now possible to create HDD-groups, video files can be locked to prohibit overwriting, and disks can be configured for redundant storage.

The Spectator ELE series are pre-configured for connection to a SSC (Spectator Service Center) to provide enhanced functionality of video alarm verification of incoming alarms at the SSC, remote control of PTZ functions and 2-way audio interaction. In addition remote services like Virtual Guarding, Virtual Gate keeping and VOaaS (Video Observation as a Service) are deliverable using this series of DVR's.



**SPECTATOR**  
VIDEO TECHNOLOGY

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## Specifications

Type		SP-DVR-4-ELE	SP-DVR-8-ELE	SP-DVR-16-ELE
Video compression		H.264 (QCIF - 4CIF)		
Preview resolution		PAL:704*576(4CIF) NTSC:704*480(4CIF)		
Compression vs framrate	4CIF ips per CH	8	8	6
	2CIF ips per CH	16	16	12
	CIF ips per CH	25	25	25
Total Frames	CIF (PAL/NTSC)	100/120	200/240	400/480
Playback	Synchrone channels	4 channels	8 channels	16 channels
Video input - BNC	1.0Vp-p, 75Ω	4 channels	8 channels	16 channels
Main video output	1.0Vp-p, 75Ω	1 Main Video BNC output, or VGA 1024x768/60Hz (Auto select during boot)		
Spot video output	1.0Vp-p, 75Ω	1 BNC		
Loop tought Video out	1.0Vp-p, 75Ω	External multewire from DB-15 to BNC		
Stream type		Video only or Audio & Video		
Bit rate		32kbps...2Mbps (Self definition)		
Audio input	BNC (2.0Vp-p, 1KΩ)	4	4	4
Audio output	line level output, 600Ω	1 RCA output		
Audio compression		OggVorbis,16kbps Voice interface		
Communication interface		RJ-45 10M/100M UTP network port		
		DB-9 RS-232 port		
		4-pin screw terminal RS-485/RS-422 PTZ port		
		4-pin RS-485 port for RS-KEYB-RS		
Keyboard interface		1 RJ-45 port		
HDD SATA interface		SATA interface, max. 2 HDD's and 1 DVD-RW (optional bracket for 4 HDD available without CD-RW)		
DVD-S		Optional available		
USB interface		2 x USB 2.0		
		Support USB flash disk,USB HDD,USB CD-R/W, USB-DVD		
External trigger inputs		4	16	16
Relay outputs		4	4	4
Power supply		90 - 135VAC or 180 - 265VAC, 50 / 60 Hz		
Power consumption		22W - 42W (without HDD)		
Operating temperature		-10 °C - +55 °C		
Operating humidity		10% - 90%		
Dimensions		19" standard (440mm*390mm*70mm)		
Weight		7.6kg (without HDD)		
Email support		plain text with attached JPEG, requires SMTP server		
DNS support		DNS on SSC, DynDNS.org or Peanut shell		

### Delivery Package

- DVR
- SATA CABLES
- HDD fixing screws
- Optical USB Mouse
- Remote Control
- 19" Brackets
- Video loop through cable(s)

### Ordering Information

- SP-DVR-4-ELE
- SP-DVR-8-ELE
- SP-DVR-16-ELE

### Accessories

- SP-ELE-HDD Bracket

### Related Products

- SP-DEC
- SP-KEYB-RS



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