



### Features

- 25 frames real-time recording each channel in 4CIF resolution
- Supports dual stream
  - Main stream for recording (and streaming)
  - Substream for remote viewing
- Audio recording on all channels
- Bi-directional audio
- External trigger inputs and relay outputs
- Video Motion Detection on each channel
- Max 8 HDD's ,max 3TB each
- Support USB-flash disk for backup
- Web interface for Safari, Chrome, IE, Firefox
- Supports commonly used PTZ control protocols
- Triple video output (HDMI, VGA, CVBS) + CVBS spot monitor
- Built-in DNS service
- Automatic email notification of events with snapshot attachment
- Allows seamless connection to a Spectator Communication Platform (SCP)

### Description

Spectator's DVR-P is the successor of the SP-DVR-E series. Apart from a new look the new P range comprises attractive pricing and improvements in specifications and functionality. Some of the important changes in this new series are the HDMI video output which can be simultaneously used with the VGA and composite output.

The new P series DVR's are based on dedicated hardware, 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 DVR-P series are optimised for connection to a SCP (Spectator Communication Platform) to provide enhanced functionality of video alarm verification of incoming alarms at the SCP, 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-P	SP-DVR-8-P	SP-DVR-16-P
Video compression	H.264 (QCIF - 4CIF)		
Preview resolution	PAL:704*576(4CIF) / NTSC:704*480(4CIF)		
Compression (recording)	4CIF fps per CH	25	25
Total Frames	4CIF (PAL/NTSC)	100/120	200/240
Playback	Synchrone channels	4 channels	8 channels
Video input - BNC	1.0Vp-p, 75Ω	4 channels	8 channels
Main video output	1.0Vp-p, 75Ω	1 Main video BNC output, VGA, HDMI 1920x1080P all simultaneous	
Spot video output	1.0Vp-p, 75Ω	1 BNC	
Stream type		video only or video & audio (Ch. 1-4 only)	
Recording bit rate	(main-/eventstream)	32kbps...3072Mbps (user definition)	
Streaming res/framerate	(sub-stream)	25fps @ CIF	
Nr connections / max bandwidth		64 / 60 Mbit/s	
Audio input	RCA (2.0Vp-p, 1KΩ)	4 +1 voice talk	
Audio output	line level output, 600Ω	1 RCA output VGA, 1 RCA output CVBS	
Audio compression		G.711, 64kbps Voice interface	
Communication interface		RJ-45 10M/100M UTP network port (IPv4, IPv6)	
		DB-9 RS-232 port	
		4-pin terminal RS-485/RS-422 PTZ port	
		2-pin terminal RS-485 port for SP-KEYB-RS	
HDD SATA interface		max. 2 HDD's and 1 DVD-RW or (4 HDD without DVD-RW) eSATA for back-up devices	
USB interface		2 x frontpanel, 1 x backpanel (USB 2.0)	
		Support USB flash disk, USB HDD, USB CD-RW, USB-DVD	
External trigger inputs		4	16
Relay outputs		4	4
Power supply		90 - 135VAC or 180 - 265VAC, 50 / 60 Hz	
Power consumption		30W - 40W (without HDD)	
Operating temperature		-10 °C - +55 °C	
Operating humidity		10% - 90%	
Dimensions		19" standard (440mm*390mm*70mm)	
Weight		<8kg (without HDD)	
Email support		plain text with attached JPEG, requires SMTP server	
DNS support		DNS on SCP, DynDNS.org or Peanut shell	
Others		FTP upload, NFS, iSCSI support	

### Delivery Package

- DVR
- SATA CABLES
- HDD fixing screws
- Optical USB Mouse
- Remote Control
- 19" Brackets

### Ordering Information

- SP-DVR-4-P
- SP-DVR-8-P
- SP-DVR-16-P

### Related Products

- SP-DEC
- SP-KEYB-RS



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