



## Features

- TI High performance DSP with H.264 Video compression scheme
- Support QCIF, CIF, 2CIF, DCIF, 4CIF
- 25 frames recording each channel in 4CIF resolution
- Supports dual stream
  - Main stream for recording
  - 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 2000GB each
- Support USB-flashdisk
- Web interface for easy setup
- Supports commonly used PTZ control protocols
- Dual video output, main and spot monitor
- 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-PAL-E series is a high end Digital Video Recorder with Real time recording at 4CIF resolution across all 16 channels simultaneously. Apart from a new look the new E-PAL range comprises major improvements in specifications and functionality. This series is equipped with a substantial storage capacity of up to 16 TB with a provision for 8 HDD's to be installed inside the box. A complete new Graphical User Interface along with the new jog shuttle offers a user friendly interface for local control.

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 PAL-E 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.

**25 IPS AT 4CIF  
ACROSS ALL CHANNELS  
SIMULTANEOUSLY**



**SPECTATOR**  
VIDEO TECHNOLOGY

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## Specifications

Type		SP-DVR-4-PAL-E	SP-DVR-8-PAL-E	SP-DVR-16-PAL-E
Video compression		H.264 (QCIF - 4CIF)		
Preview resolution		PAL:704*576(4CIF) NTSC:704*480(4CIF)		
Compression vs framrate	4CIF ips per CH	25	25	25
	CIF ips per CH	25	25	25
Total Frames	4CIF (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 trough Video out	1.0Vp-p, 75Ω	X		
Stream type		Video only or Audio & Video		
Bit rate		32kbps...2Mbps (Self definition)		
Audio input	BNC (2.0Vp-p, 1KΩ)	4	8	16
Audio output	line level output, 600Ω	1 BNC 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		
Keyboard interface		4-pin RS-485 port for RS-KEYB-RS		
		1 RJ-45 port		
HDD SATA interface		SATA interface, max. 4 HDD's and 1 DVD-RW (optional bracket for 8 HDD available without DVD-RW)		
USB interface		3 x USB 2.0		
		Support USB flash disk,USB HDD,USB CD-RW, USB-DVD		
External trigger inputs		4	16	16
Relay outputs		2	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 (450mm*450mm*95mm)		
Weight		<8kg (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

### Ordering Information

- SP-DVR-4-PAL-E
- SP-DVR-8-PAL-E
- SP-DVR-16-PAL-E

### Accessories

- SP-E-PAL-HDD Bracket

### Related Products

- SP-DEC
- SP-KEYB-RS



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