Features

- Channel zero encoding (multiscreen transmission in single small size stream)
- 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-ST 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 ST range comprises major improvements in specifications and functionality.This series is equipped with a substantial storage capacity of up to 24 TB with a provision for 8 HDD's to be installed inside the DVR. A complete new Graphical User Interface along with the new jog shuttle offers a user friendly interface for local control.

The new ST 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 the 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-ST 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 Gatekeeping and VOaaS (Video Observation as a Service) are deliverable using this series of DVR's.

SPECTATOR
VIDEO TECHNOLOGY

Nieuwstraat 2,
4921 CX Made,
The Netherlands

Specifications

Type		SP-DVR-4-ST	SP-DVR-8-ST	SP-DVR-16-ST
Video compression		H.264 (QCIF - 4CIF)		
Preview resolution		PAL:704*576(4CIF) / NTSC:704*480(4CIF)		
Compression vs framerate	4CIF fps per CH	25	25	25
	CIF fps 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, VGA, and HDMI 1920 x 1080P / 60Hz		
Spot video output	1.0Vp-p, 75Ω	1 BNC		
Stream type		video only or video & audio		
Bit rate		32 kbps…8192 kbps (user definition)		
Nr connections / max bandwidth		128 / 160Mbit/s		
Audio input	BNC (2.0Vp-p, 1KΩ)	4 + 1 voice talk	8 + 1 voice talk	16 + 1 voice talk
Audio output	line level output, 600Ω	1 BNC output CVBS, 1 BNC output VGA		
Audio compression		OggVorbis,16kbps Voice interface		
Communication interface		RJ-45 10M/100M/1000M UTP network port (IPv4, IPv6)		
		DB-9 RS-232 port		
		4-pin screw terminal RS-485/RS-422 PTZ port		
Keyboard interface		2-pin terminal RS-485 port for SP-KEYB-RS		
HDD SATA interface		max. 4 HDD's and 1 DVD-RW or 8 HDD's without DVD-RW, eSATA for back-up devices		
USB interface		2 USB 2.0		
		Support USB back-up flash disk,USB HDD,USB CD-R/W, 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		< 70 W (without HDD)		
Operating temperature		-10 $^{\circ}$C - +55 $^{\circ}$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 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-ST
- SP-DVR-8-ST
- SP-DVR-16-ST

Related Products

- SP-DEC
- SP-KEYB-RS
- SP-KEYB-IP

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