



Features

- 25 frames real-time recording each channel up to 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-16-ST/D 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 SP-DVR-16-ST/D 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 SP-DVR-16-ST/D 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 SP-DVR-16-ST/D 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

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Specifications

Type	SP-DVR-16-ST/D	
Video compression		H.264 (QCIF - 4CIF)
Preview resolution		PAL:704*576(4CIF) / NTSC:704*480(4CIF)
Encoding resolution		4CIF / 2CIF / CIF / QCIF
Frame rate	Mode 1	16 channels: 4CIF @ 12 fps or 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N)
	Mode 2	4 channels: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N) 12 channels: CIF / QCIF @ 25 fps (P) / 30 fps (N)
Playback	Synchrone channels	16 channels
Video input - BNC	1.0Vp-p, 75Ω	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...3072 kbps (user definition)
Audio input	BNC (2.0Vp-p, 1KΩ)	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 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		3 USB 2.0 Support USB back-up flash disk, USB HDD, USB CD-RW, USB-DVD
External trigger inputs		16
Relay outputs		4
Power supply		100 - 240VAC, 50 / 60 Hz
Power consumption		< 35 W (without HDD)
Operating temperature		-10 °C - +55 °C
Operating humidity		10% - 90%
Dimensions		19 " standard (440mm * 450mm * 90mm)
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-16-ST/D

Related Products

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



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