

# STR-1681/0882/1682

## 8 and 16-Channel DVRs

- Up to 200 images per second recording rate for STR-1681 and STR-0882 and up to 400 images per second for STR-1682
- 3 Internal HDDs supported (1 built-in SATA HDD (supplied))
- RAS+ software for full-scale remote monitoring
- Built-in DVD-RW
- Date/time, Calendar, Event, Motion, Alarm Search, Smart motion search
- SCSI Port for archive expansion
- 3 USB Ports
- USB mouse control supported
- 4 Spot monitor outputs
- Hard disk drive diagnostics (S.M.A.R.T)
- 4 Audio channels
- Main third-party PTZ protocols supported
- Advanced Event Response system
- Jog-Shuttle

The STR-1681 and STR-0882/1682 DVRs are ideal for building multi-site video surveillance systems controlled from Smartec keyboards. With these DVRs you can create centrally controlled geographically distributed video surveillance systems.

### Video recording and backup

MPEG-4 compression technology provides high compression ratio with minimum loss of quality. The DVRs provide synchronous recording of 16 video and 4 audio channels to internal HDD, and support installation of 2 additional internal HDDs. For further expansion, you can use SCSI port to connect external SCSI RAID arrays. The DVRs also support video/audio backup to a built-in DVD-RW, as well as to external USB storage.

### Motion detection and Camera Obscuration / Video Blind detection

The DVRs offer full-featured motion detection (256 blocks) allowing to adjust its sensitivity and target area independently for daytime and nighttime, as well as Camera Obscuration / Video Blind detection. Motion detection also provides retrospective video analysis, when you need to search for motion in a specific area of the recorded video.



### Recorded video retention

S.M.A.R.T support allows to perform continuous monitoring of hard disk drives used for video storage. If there is a threat of disk drive failure (overheating or damage), the system will warn the operator preliminarily, helping to avoid any loss of valuable data.

### Telemetry

The STR-1681/0882/1682 DVRs support PTZ control using front panel buttons or IR remote controller. Cameras can be controlled locally from the DVR, or remotely from RAS+ Software. PTZ control is performed via RS-232/RS-485 interfaces. Special Smartec keyboards can be used to control one or several STR-1681/0882/1682 DVRs through RS232 or RS485.

### RAS+ Remote Administration Software

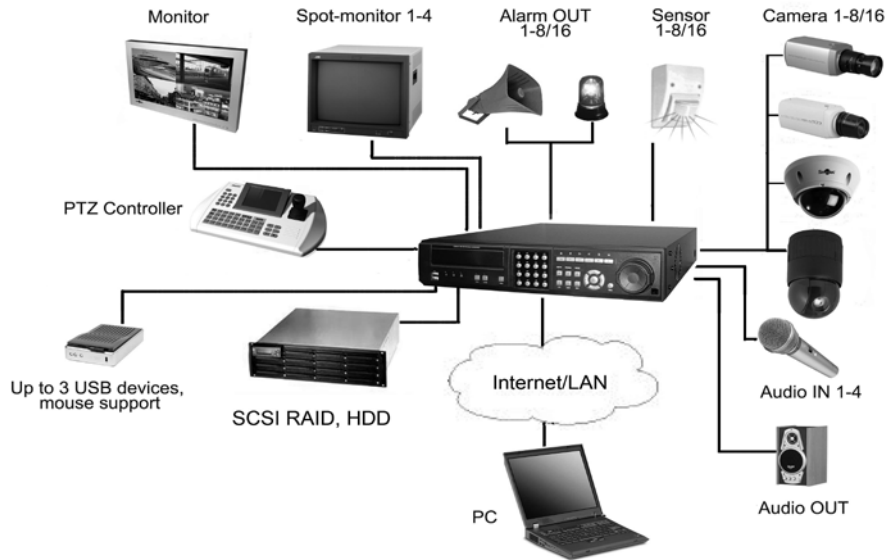
Remote administration software is supplied with the DVRs and is used for:

- Real time video viewing
- Remote video search (date/time/event) and playback from STR-1681/0882/1682's video archive
- DVR status control and notification
- Event notification from DVR
- Advanced DVR setup, including firmware upgrades
- Simultaneous video viewing from multiple STRs, using 3D site maps
- Simultaneous connection to multiple DVRs.

WebGuard support provides access to STR-1681/0882/1682 via Web browser without installing RAS+.

# DIGITAL VIDEO RECORDERS

## Typical connection diagram



## Specifications

Model:	STR-1681	STR-0882	STR-1682
<b>Video Compression:</b>	MPEG4-ASP		
<b>Resolution (recording):</b>	CIF; 2CIF; D1		
<b>Playback and Recording Rate:</b>	200 ips (352x288) 100 ips (720x288) 50 ips (720x576)	200 ips (352x288) 100 ips (720x288) 50 ips (720x576)	400 ips (352x288) 200 ips (720x288) 100 ips (720x288)
<b>Camera Inputs:</b>	16xBNC, auto terminating, loop-through	8xBNC, auto terminating, loop-through	16xBNC, auto terminating, loop-through
<b>Monitor Outputs:</b>	1xBNC, 1xS-Video, 1xVGA, 4xSpot (BNC)		
<b>Audio Inputs:</b>	4 line inputs, RCA		
<b>Audio Output:</b>	1 line output, RCA		
<b>Recording:</b>	Continuous, Schedule, Alarm, Pre-Alarm, Event, Panic		
<b>Search:</b>	Date/Time, Calendar, Event, Motion, Alarm, Smart motion search		
<b>Remote Control:</b>	RS-485/RS-232		
<b>Alarm Inputs:</b>	16, terminal block, spring contacts	8, terminal block, spring contacts	16, terminal block, spring contacts
<b>Alarm Outputs:</b>	16, terminal block, spring contacts	8, terminal block, spring contacts	16, terminal block, spring contacts
<b>Internal Buzzer:</b>	80 dB at 10 cm		
<b>RS-485:</b>	Terminal block		
<b>RS-232C:</b>	DB9 (P)		
<b>Network Connectivity:</b>	10/100Base-T Ethernet; RJ-45		
<b>USB:</b>	3xUSB 2.0		
<b>Internal HDD:</b>	3xSATA HDD (1 built-in SATA HDD (supplied)), up to 3 TB total		
<b>Secondary Storage:</b>	Built-in DVD-RW, USB HDD, USB CD-RW, USB Flash drive, SCSI HDD (RAID)		
<b>Input Voltage:</b>	100-240 VAC, 50\60 Hz		
<b>Power Consumption:</b>	Max. 150 W		
<b>Operating Temperature:</b>	+5° to +40°C, 0 - 90%, noncondensing		
<b>Dimensions:</b>	430 mm (L) x 430 mm (D) x 81 mm (H)		
<b>Weight:</b>	7.4 kg		

## Accessories

<b>STT-2405U</b>	System keyboard; joystick, Jog-Shuttle, macro keys, built-in LCD Display (16x2); RS-485 (FAS-TRAX-II, Pelco), control of up to 254 cameras, control of up to 99 DVRs (STR-1681/0882/1682/1690); 1 Master/3 Slave configuration allowed; 220 VAC/12 VDC power adapter supplied.
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