

STR-1690

16-Channel Real Time DVR

- Real time recording of 16 camera inputs at 400 fps and 2CIF resolution
- 16 audio channels
- Simultaneous recording, playback, live viewing, backup and networking
- Recording modes: Continuous, Alarm, Motion, Pre-alarm, Panic
- Multiple search modes
- Smart motion search
- Left Object detection and Video Blind detection
- Up to 4 hot swappable SATA HDDs
- SCSI Port for archive expansion
- Built-in DVD-RW
- 3 USB Ports
- Main Monitor - 1 BNC, 1 S-Video, 1 VGA
- 4 Spot monitor outputs
- Jog-Shuttle
- Full-featured management control over the network from RAS+ software
- Advanced self-diagnostics including S.M.A.R.T.
- RS-232/485 interfaces
- Advanced Event Response system
- Multiple user access levels

Real time video and audio recording

The STR-1690 supports real time synchronous recording of 16 video and 16 audio channels at 25 ips per channel, providing outstanding recording quality with horizontal resolution of about 500 TVL.

Hot-swappable HDDs

Due to SATA support and 4 detachable HDD racks, the DVR allows quick hard disk replacement without power turning off. Each of the HDDs can be used both for continuous (original) recording, and for archiving video segments clipped from the original recording. For high -security applications, the DVR also offers mirroring capability.



For archive expansion, you can use SCSI port to connect external RAID arrays. The DVRs also support video/audio backup to built-in DVD-RW, as well as to external USB storage.

Motion detection and Camera Obscuration / Video Blind detection, Left object detection

Similar to STR-1681/0882/1682, the STR-1690 features advanced motion detection including retrospective video analysis, and Camera Obscuration / Video Blind detection. In addition, for unattended (lost) object search (museum mode), Operator can specify search zone, start and stop time, sensitivity and other settings.

Recorded video retention

SMART support allows to perform continuous monitoring of the 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 in advance, helping to avoid any loss of valuable data.

Remote control and PTZ

Via RS-232/RS-485 interfaces you can control the DVR remotely from Smartec keyboard controllers, control PTZ cameras from the DVR, or connect the DVR with ATM/POS terminals.

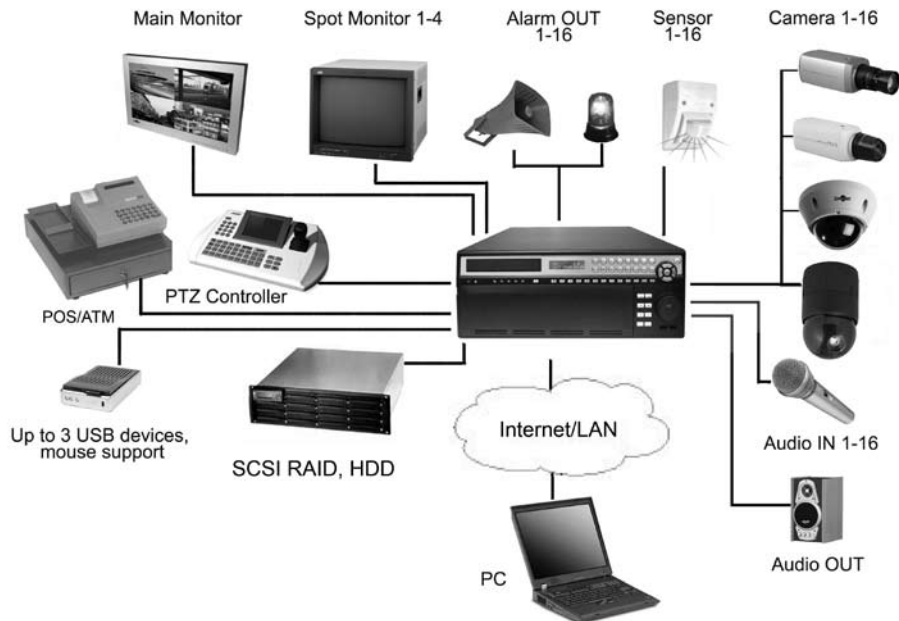
RAS+ Remote Administration Software

Remote administration software is supplied with the DVR.

For RAS+ features please refer to the following pages. WebGuard support provides access to the STR-1690 via Web browser without installing RAS+.

DIGITAL VIDEO RECORDERS

Typical connection diagram



Specifications

Model:	STR-1690
Video compression:	MPEG4-ASP
Recording Framerate:	400 ips (720x288); 200 ips (720x576)
Camera Inputs:	16xBNC, 1 Vp-p, 75 Ohms, loop-through
Monitor Outputs:	1xBNC, 1 Vp-p, 75 Ohms 1xSVHS (Y/C) 1xVGA (DB15) Spot Monitors: 4xBNC, 1 Vp-p, 75 Ohms
Audio Inputs:	16 line inputs, RCA
Audio Output:	1 line output, RCA
Alarm Inputs:	16xTTL (configurable as NC or NO)
Alarm Outputs:	12 TTL (open collector, configurable as NC/NO), 4 relay outputs,
Internal Buzzer:	80 dB at 10 cm
Network:	10/100Base-T Ethernet; RJ-45
RS-485:	2 ports, terminal block
RS-232C:	DB9 (P)
Ultra Wide SCSI:	1xUltra2 (80 mbps)
USB:	3xUSB
Primary Storage:	Up to 4 removable SATA HDD
Archive expansion:	SCSI connected RAID arrays.
Backup:	Built-in DVD-RW, USB HDD, CD-RW, Flash drives
Input Voltage:	100-240 VAC
Power Consumption:	150 W
Operating Temperature:	+5° to +40°C, 0 - 90%, noncondensing
Dimensions:	504 mm (L) x 430 mm (D) x 177 mm (H)
Weight:	17.8 kg

Accessories

STT-2405U	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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