



**SN5 Series
Digital Video Recorder**

Features:

- Dual-encoding streams
- 16 Channel Simultaneous Playback
- HDMI Output
- Enhanced H.264 compression
- 400/480 fps recording for CIF and special channel 4CIF realtime recording
- Pentaplex function: Live, Record, Playback, Backup & Remote Access
- 4 HDDs support, eSATA port & CD-RW/DVD-RW support
- Multiple Control: Front panel, IR Remote, THYONIX Keyboard, USB mouse & Network Keyboard
- Speed Dome Control: > 60 Protocols Supported, Preset, Scan, Auto Pan, Auto Tour, Pattern, with THYONIX Speed Dome, 3D intelligent positioning support

Specifications: SN5 Series

System													
Main Processor	High performance embedded microprocessor												
Operating System	Embedded LINUX												
System Resources	Pentaplex function: live, recording, playback, backup & remote access												
User Interface	GUI, on-screen menu tips												
Control Device	Front panel, USB mouse, THYONIX keyboard, IR remote control, network keyboard												
Input Method	Numeral/Character/Denotation												
System Status	HDD status, data stream statistics, log record, bios version, on-line user etc.												
Video													
Video Input	4/8/16 channel, BNC, 1.0Vp-p, 75Ω, looping												
Video Output	1 channel TV output, BNC, 1.0Vp-p, 75Ω, 1 VGA output, 1 HDMI output												
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)												
Video Compression	H.264												
Video Resolution	<table border="1"> <tr> <th>Format</th> <th>NTSC</th> <th>PAL</th> </tr> <tr> <td>D1(4CIF)</td> <td>704 X 480</td> <td>704 X 576</td> </tr> <tr> <td>CIF</td> <td>352 X 240</td> <td>352 X 288</td> </tr> <tr> <td>QCIF</td> <td>176 X 120</td> <td>176 X 144</td> </tr> </table>	Format	NTSC	PAL	D1(4CIF)	704 X 480	704 X 576	CIF	352 X 240	352 X 288	QCIF	176 X 120	176 X 144
Format	NTSC	PAL											
D1(4CIF)	704 X 480	704 X 576											
CIF	352 X 240	352 X 288											
QCIF	176 X 120	176 X 144											
Video Recording	CIF/QCIF: PAL 1f/s~25f/s, NTSC 1f/s~30f/s; 4CIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s; (1 st channel of DVR0404LE-L, 1 st channel of DVR0804LE-L, 1 st and 9 th channel of DV1604LE-L can support D1 realtime recording) Dual encoding streams supported;												
Video Display Split	Full and multiple screen display, 1 / 4 / 9 / 16												
Tour Display	Support												
Image Quality	1~6 level(level 6 is the best)												
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera												
Camera Lock	Camera locked for users												
Camera Adjustment	Adjust color according to different time period												
Video Information	Camera title, time, video loss, camera lock, motion detection, recording												
TV Output Adjustment	Adjust TV output color & display zone												
Audio													
Audio Input	4/4/4 channel, BNC, 200-2800mV, 30KΩ												
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30KΩ												
Audio Output	1 channel, BNC, 200-3000mV, 5KΩ												
Audio Compression	G.711												
Video Detection & Alarm													
Motion Detection	Zones: 396 (22*18) detection zones Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm, email, matrix output												
Video Loss	Trigger recording, PTZ movement, tour, alarm, email, matrix output												
Camera Blank	Trigger recording, PTZ movement, tour, alarm, email, matrix output												
Alarm Input	16/16/16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm, email, matrix output												
Relay output	6/6/6 channel, 30VDC, 1A, NO/NC, form-C												

Hard Disk	
Hard Disk	4 SATA ports, 4 HDDs supported, eSATA port
Space Occupation	Audio: 14.4MB/H Video: 56~500MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)
Record, Playback & Backup	
Recording Mode	Manual, continuous, video detection (including motion detection, camera blank, video loss), Alarm
Recording Priority	Manual > Alarm > Video Detection > Continuous
Recording Interval	1 to 120 minutes (default: 60 minutes), Pre-record up to 30 seconds, Post-record up to 5 minutes
Overwrite Mode	Support
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Playback	Up to 16channel playback simultaneously, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash disk/ USB HDD/ USB CD/DVD-RW/ built-in SATA burner/ Network download
Network	
Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information
Auxiliary Interface	
USB Interface	2 ports, 1 for mouse control, 1 for backup
RS232	THYONIX keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	220V 50Hz / 110V 60Hz
Power consumption	25W/30W/40W
Working Temperature	-10~+55
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	1.5U, 440mmx460mmx68mm (W*D*H)
Weight	6.0KG(without HDD)
Mounting	Desktop or rack

- TS-DVR04SN5** 4 Channel Audio/Video/Matrix model
- TS-DVR08SN5** 8 Channel Audio/Video/Matrix model
- TS-DVR16SN5** 16 channel Audio/Video/Matrix model

