

# Saturn Series – Saturn-4ch-SL 30450716SL H.264 CIF/D1 Resolution Pentaplex DVR with Video Loop-Out, Matrix and Audio - 4 Channel

## Features:

- H.264 compression chip, cost-effective, DSP format
- Pentaplex operational mode : Recording, playback, remote viewing, back up, live viewing, simultaneously
- Support 4-ch playback simultaneously
- Support SATA Hard Disk, up to 8pcs
- Live view resolution / resource  
NTSC : 720 x 480 @ 120fps  
PAL : 704 x 576 @ 100fps
- Recording resolution / resource  
Real time mode  
NTSC : 360 x 240 @ 120fps  
PAL : 352 x 288 @ 100fps  
Non- real time mode  
NTSC : 720 x 480 @ 30fps  
PAL : 704 x 576 @ 25fps
- 4-Ch video input and 2-Ch video output
- 4-Ch video loop out and 1-Ch video matrix output
- 4-Ch audio input and 1-Ch audio bi-way communication
- 16 suits of alarm inputs and 6 suits of alarm outputs
- Backup : DVD-RW, CD-RW, USB memory
- RS-485 port for Pan / Tilt / Zoom control
- Remote view through IE browser or free bundle PSS software
- Compatible with 30450710 Center control software (option)
- Compatible with 3045079 Multi-DVR network keyboard control (option)
- Compatible with 30450720 MPEG-4 video and audio decode card (option)



**Model: 30450716SL**

## Specifications:

System			
Processor	High performance embedded microprocessor	Operating System	Embedded LINUX
Video			
Video Input	4 channel, BNC, 1.0Vp-p, 75	Video Output	2 channel TV output, BNC 1 channel VGA output
Video Standards	NTSC (525Lines, 60Hz) PAL (625Lines, 50Hz)	Video Compression	H.264
Video Resolution	NTSC : 720 x 480 @ 120fps PAL : 704 x 576 @ 100fps	CIF Recording Resolution / Resource	NTSC : 360 x 240 @ 120fps PAL : 352 x 288 @ 100fps
Video Display Split	1, 4	D1 Recording Resolution / Resource	NTSC : 720 x 480 @ 30fps PAL : 704 x 576 @ 25fps
Tour Display	Support	Image Quality	1 ~ 6 level (level 6 is the best)
Camera Adjustment	Adjust color according to different time period	Video Information	Camera title, time, video loss, motion detection, recording
TV adjustment	Adjust TV output color & display zone	Privacy Masking	Self-defined four-side zone for privacy masking for each camera

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## Specifications:

Video Loop-Out, Matrix and Audio			
Video Matrix	4-channel, 1-output	Video Loop-out	4 channel
Audio Input	4 channel	Audio bi-directional Communication	1 channel
Video Detection & Alarm			
Motion Detection	22 * 18 = 396 areas (PAL) 22 * 15 = 330 areas (NTSC)	Video Loss	Trigger recording, alarm
Alarm Input	16 channel	Relay Output	6 channel
Record, Playback & Backup			
Recording Mode	Manual, continuous, MD, alarm, schedule	Recording Priority	Manual>alarm>MD> continuous
Recording Interval	1 to 120 min. (default : 60min)	Playback	4 channel playback simultaneously
Search Mode	Time/Date, Alarm, MD	Backup Mode	Flash stick, USB HDD, USB CD-RW, USB DVD-RW, Network
Network			
Interface	RJ-45 port (10/100M)	Network Function	TCP/IP, DHCP
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information		
Auxiliary Interface			
USB interface	2 ports	RS-232	PC communication
RS-485	Pan/Tilt/Zoom control		
Environment			
Power Supply	115V 60HZ / 230V 50Hz	Power Consumption	40W
Working Temperature	-10℃ ~ +55℃	Working Humidity	10% ~ 90%
Atmosphere Pressure	86kpa ~ 106kpa	Dimension (W x D x H)	2U, 440x460x89mm
Weight	7.0kg (without HDD)	Mounting	Desktop or rack

## Saturn Series :

Product Code	Model No.	Recording Resolution / Resource		Audio	Video Loop-out	Video Matrix
		real time mode	non-real time mode			
Saturn-4ch-S	30450716S	360x240@120fps(NTSC) 352x288@100fps(PAL)	720x480@30fps(NTSC) 704x576@25fps(PAL)	4-ch	N/A	N/A
Saturn-4ch-SL	30450716SL	360x240@120fps(NTSC) 352x288@100fps(PAL)	720x480@30fps(NTSC) 704x576@25fps(PAL)	4-ch	4-ch	4-ch 1-output
Saturn-8ch-S	30450717S	360x240@240fps(NTSC) 352x288@200fps(PAL)	720x480@60fps(NTSC) 704x576@50fps(PAL)	8-ch	N/A	N/A
Saturn-8ch-SL	30450717SL	360x240@240fps(NTSC) 352x288@200fps(PAL)	720x480@60fps(NTSC) 704x576@50fps(PAL)	4-ch	8-ch	8-ch 1-output
Saturn-16ch-S	3045078S	360x240@480fps(NTSC) 352x288@400fps(PAL)	720x480@120fps(NTSC) 704x576@100fps(PAL)	16-ch	N/A	N/A
Saturn-16ch-SL	3045078SL	360x240@480fps(NTSC) 352x288@400fps(PAL)	720x480@120fps(NTSC) 704x576@100fps(PAL)	4-ch	16-ch	16-ch 1-output

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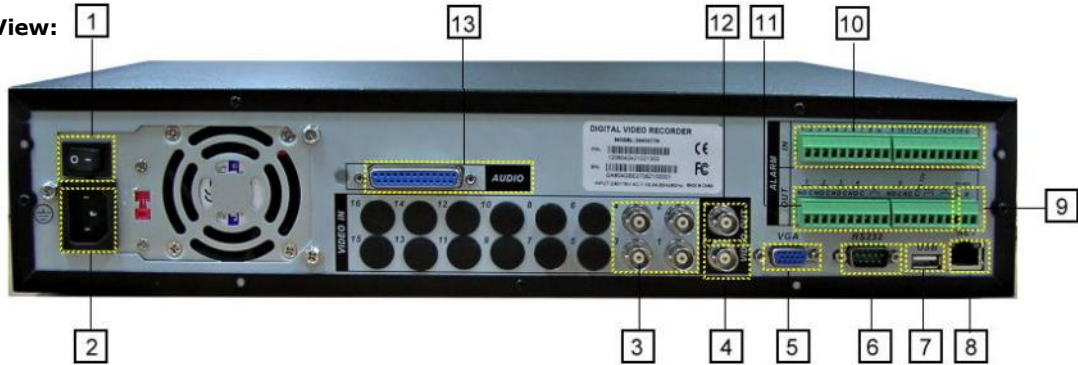
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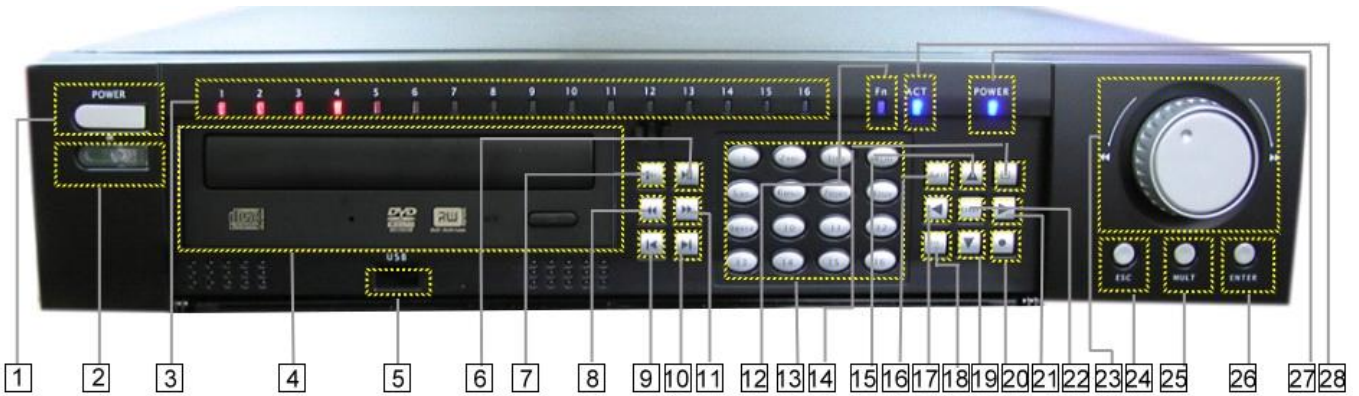
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**Diagram Back View:**



1. Power Switch	2. Power Plug	3. Video Input	4. Video Output 2	5. VGA
6. RS-232	7. USB	8. RJ-45	9. RS-485	10. Alarm Input
11. Alarm Output	12. Video Output 1	13. Video Loop-out and Matrix, Audio Input and Output		

**Diagram Front View:**



1	Power	2	Remote Receiver	3	Record indicator light
4	Panel for CD-RW	5	Front USB port	6	Play / Pause
7	Slow Play	8	Rewind	9	Play Last Section
10	Play Next Section	11	Forward	12	Function Indicator Light
13	Number Key	14	Single Window display	15	Up direction
16	Exit	17	Left Direction Key	18	Function
19	Down direction Key	20	Record	21	Right Direction Key
22	Enter	23	Outer Jog Shuttle	24	Exit
25	Multi-Windows Display	26	Enter	27	Stand by
28.	Power Indication Light				

**Package Contains**

- DVR x 1
- Power cable x 1
- Ethernet cable x 1
- Extensional cable x 1
- Remote control x 1
- USB mouse x 1
- Accessories x 1
- CD-ROM (included User manual, ASP software..) x 1

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