

# Saturn Series - Saturn-4ch-S 30450716S H.264 CIF/D1 Resolution Pentaplex DVR - 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 audio input and 1-Ch audio output
- 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: 30450716S**

## 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<br>1 channel VGA output                |
| Video Standards     | NTSC (525Lines, 60Hz)<br>PAL (625Lines, 50Hz)         | Video Compression                   | H.264   |
| Video Resolution    | NTSC : 720 x 480 @ 120fps<br>PAL : 704 x 576 @ 100fps | CIF Recording Resolution / Resource | NTSC : 360 x 240 @ 120fps<br>PAL : 352 x 288 @ 100fps           |
| Video Display Split | 1, 4  | D1 Recording Resolution / Resource  | NTSC : 720 x 480 @ 30fps<br>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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# Saturn Series - Saturn-4ch-S

## 30450716S H.264 CIF/D1 Resolution Pentaplex DVR - 4 Channel

### Specifications:

| Audio                     |  |                       |  |
|---------------------------|--|-----------------------|--|
| Audio Compression         | G.711  | Audio Input           | 4 channel  |
| Audio Output              | 1 channel  |                       |  |
| Video Detection & Alarm   |  |                       |  |
| Motion Detection          | 22 * 18 = 396 areas (PAL)<br>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)<br>352x288@100fps(PAL) | 720x480@30fps(NTSC)<br>704x576@25fps(PAL)   | 4-ch  | N/A            | N/A               |
| Saturn-4ch-SL  | 30450716SL | 360x240@120fps(NTSC)<br>352x288@100fps(PAL) | 720x480@30fps(NTSC)<br>704x576@25fps(PAL)   | 4-ch  | 4-ch           | 4-ch<br>1-output  |
| Saturn-8ch-S   | 30450717S  | 360x240@240fps(NTSC)<br>352x288@200fps(PAL) | 720x480@60fps(NTSC)<br>704x576@50fps(PAL)   | 8-ch  | N/A            | N/A               |
| Saturn-8ch-SL  | 30450717SL | 360x240@240fps(NTSC)<br>352x288@200fps(PAL) | 720x480@60fps(NTSC)<br>704x576@50fps(PAL)   | 4-ch  | 8-ch           | 8-ch<br>1-output  |
| Saturn-16ch-S  | 3045078S   | 360x240@480fps(NTSC)<br>352x288@400fps(PAL) | 720x480@120fps(NTSC)<br>704x576@100fps(PAL) | 16-ch | N/A            | N/A               |
| Saturn-16ch-SL | 3045078SL  | 360x240@480fps(NTSC)<br>352x288@400fps(PAL) | 720x480@120fps(NTSC)<br>704x576@100fps(PAL) | 4-ch  | 16-ch          | 16-ch<br>1-output |

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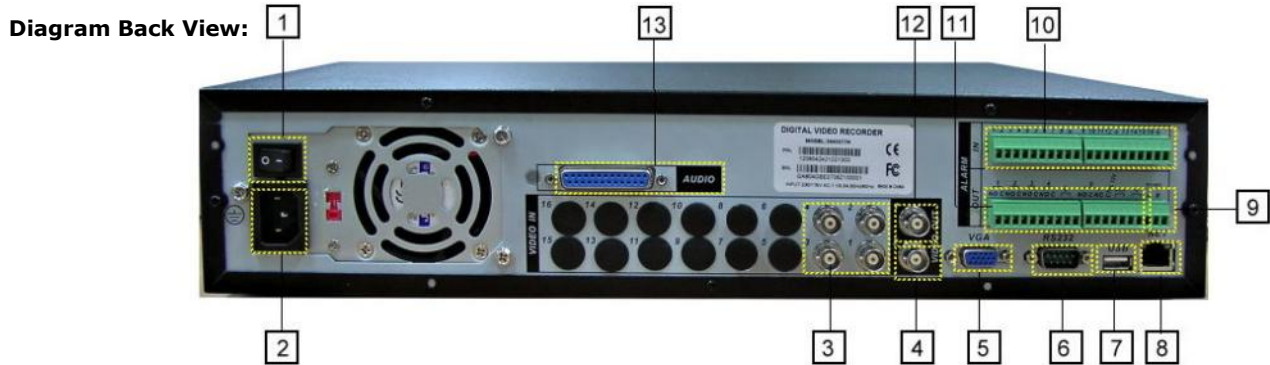
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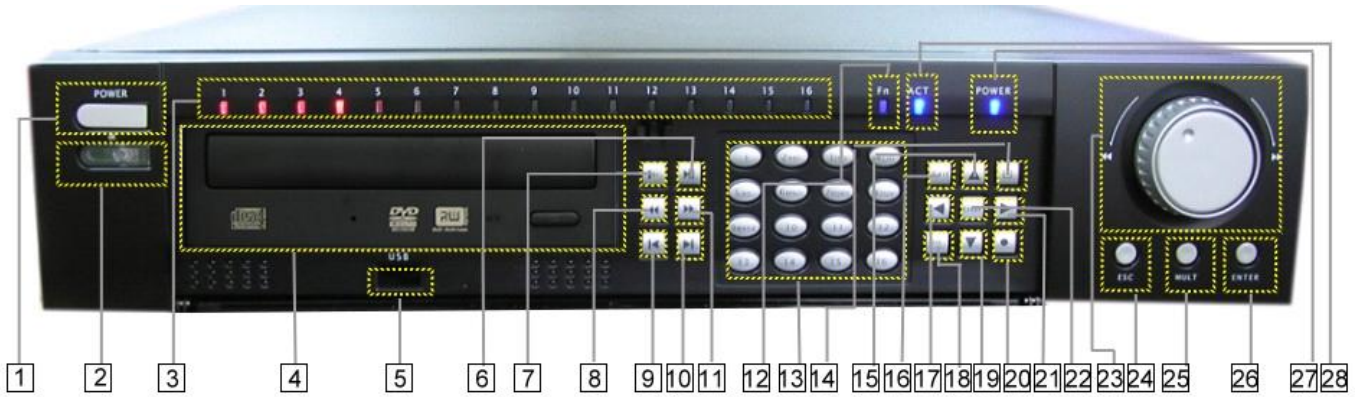
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|                  |                    |                            |                   |                 |
|------------------|--------------------|----------------------------|-------------------|-----------------|
| 1. Power Switch  | 2. Power 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. 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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