



## DS-7300HI-S H.264 / Linux Embedded Recorder

### Overview

The DS-7300HI-S embedded network DVR is an excellent digital surveillance product built on an embedded platform and DSP processor. Combining the latest H.264 video encoding and decoding technologies, hard disk recording embedded system and USB 2.0 interface, the DS-7300HI-S delivers rock-solid reliability and high performance.

### Model #

DS-7304HI-S - 4 Channel  
DS-7308HI-S - 8 Channel  
DS-7316HI-S - 16 Channel

### Standard Features

- ▶ H.264 video compression
- ▶ Up to 16ch analog video input & 4ch Audio Input
- ▶ Up to 4CIF analog recording resolution
- ▶ Each channel supports dual stream
- ▶ Up to 16ch synchronous playback
- ▶ Independent Video encoding parameters
- ▶ VGA monitor and composite spot video output
- ▶ Supports DDNS
- ▶ E-mail alert configuration
- ▶ Easy USB backup
- ▶ Remote viewing through IE browser or client software
- ▶ Pentaplex operations enables simultaneous recording, live view, playback, back-up and network operations

## Real I/O Panel Diagram



## Specifications

### Advanced Features

- ▶ NEW user friendly, icon driven GUI software
- ▶ Advanced motion detection, privacy mask, tampering and video loss alerts
- ▶ Pre/Post-recording of alarm and motion detected events
- ▶ Full system logging including operation, alarm and exception
- ▶ Video & audio synchronized compression
- ▶ HDD S.M.A.R.T. technology
- ▶ Digital zoom in live view and playback
- ▶ PTZ preset, pattern and patrol control
- ▶ Supports NTP (Network Time Protocol) and SADP (Search Activated Device Protocol)
- ▶ Supports front panel, mouse, IR remote, and keyboard
- ▶ Video file lock option
- ▶ Upload of alarm events to remote management host
- ▶ Supports 16ch video loop out
- ▶ Supports Blackberry, iPhone, and Windows Mobile 5.0+

## Specifications

### Video & Audio Input

Video Compression	H.264
Video Input	4,8,16Ch, BNC (1.0 Vp-p, 75Ω)
Audio Compression	OggVorbis 16Kbps
Audio Input	4Ch, RCA (2.0 Vp-p, 1kΩ)
Voice Talk Input	Same as 1st audio input

### Video & Audio Output

Real Time Display	704x480
VGA Output	1024x768 (60 Hz)
Recording Resolution	4CIF/2CIF/QCIF/CIF
Video Output	BNC (1.0 Vp-p, 75 Ω)
Recording	DS-7304HI-S: 4CIF:8fps, 2CIF:16fps, CIF: 30fps DS-7308/16HI-S: 4CIF:2fps, 2CIF:6fps, CIF: 30fps
Playback	DS-7304HI-S: 4ch DS-7308HI-S: 8ch, DS-7316HI-S: 16ch
Video Bitrate	32 kbps-2Mbps
Audio Output	1 RCA (Linear Electric Level, 600 Ω)
Audio Bitrate	16 kbps

### External Interface

Network Interface	1x RJ45 10M/100M Ethernet
HDD Interface	4 SATA interface, or 2SATA & DVD-RW
USB Interface	2x USB 2.0
Alarm Input	16 (terminal block) N/O - N/C Contact
Alarm Output	4 (terminal block) N/O Contact
PTZ	1 RS-485
Keyboard	1 D+,D-

### Dimensions & Electrical

Power Supply	100~240VAC, 6.3A, 50~60Hz
Consumption	<40W (without HDD)
Temperature	14° - 131° F
Humidity	10% - 90%
Size	15" (L) x 17" (W) x 2.75" (H)