



## DS-8100HFI-S H.264 / Linux Embedded Recorder

### Overview

The DS-8100HFI-S embedded network DVR combining the latest in advanced H.264 technologies delivering rock solid reliability and high performance. It delivers up to 4CIF resolution available in 4,8 or 16 channel.

### Model #

DS-8104HFI-S - 4 Channel  
DS-8108HFI-S - 8 Channel  
DS-8116HFI-S - 16 Channel

### Standard Features

- ▶ H.264 video compression
- ▶ 4, 8 or 16 channel analog video & audio input
- ▶ Each channel supports dual stream
- ▶ Up to 8ch synchronous playback
- ▶ Independent video encoding parameters
- ▶ Up to 8 SATA HDDs
- ▶ HDD standby function
- ▶ 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

## Rear I/O Panel Diagram



### 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
- ▶ High resolution VGA display
- ▶ 1 audio input for each video input
- ▶ Supports Blackberry, iPhone, and Windows Mobile 5.0+

### Specifications

#### Video & Audio Input

Video Compression	H.264
Video Input	4, 8 or 16 BNC Analog (1.0 Vp-p, 75 Ω)
Audio Compression	OggVorbis
Audio Input	4, 8 or 16 Ch, BNC (2.0 Vp-p, 1 kΩ)
Voice Talk Input	1 Ch, BNC (2.0 Vp-p, 1 kΩ)

#### Video & Audio Output

Display	704x480
VGA Output	Up to 1024x768 (60 Hz)
Recording Resolution	4CIF/2CIF/CIF/QCIF
Video Output	BNC (1.0 Vp-p, 75 Ω)
Recording/Playback	4CIF@30fps all channels/4ch playback
Video Bitrate	32 kbps-2048 kbps
Audio Output	BNC (Linear Electric Level, 600 Ω)
Audio Bitrate	16 kbps

#### External Interface

Network Interface	<b>DS-8104HFI-S:</b> 1x RJ45 10M/100M <b>DS-8108/8116HFI-S:</b> 1x RJ45 10M/100M/1000M
Serial Interface	1x RS-232, 1x RS-485 (PTZ), 1x RS-485 (Keyboard Interface)
SATA Interface	up to 8
USB Interface	3x USB 2.0
Alarm Input/Output	<b>DS-8104HFI-S:</b> 4/2 <b>DS-8108/8116HFI-S:</b> 16/4

#### Dimensions & Electrical

Power Supply	100-240V, 60 Hz
Consumption	<50W (w/o HDD)
Temperature	14° - 131° F
Humidity	10% - 90%
Chassis	19" standard 2U
Size	17 ¾" (L) x 17 ¾" (W) x 3 ¾" (H)
Weight	17.5 lbs