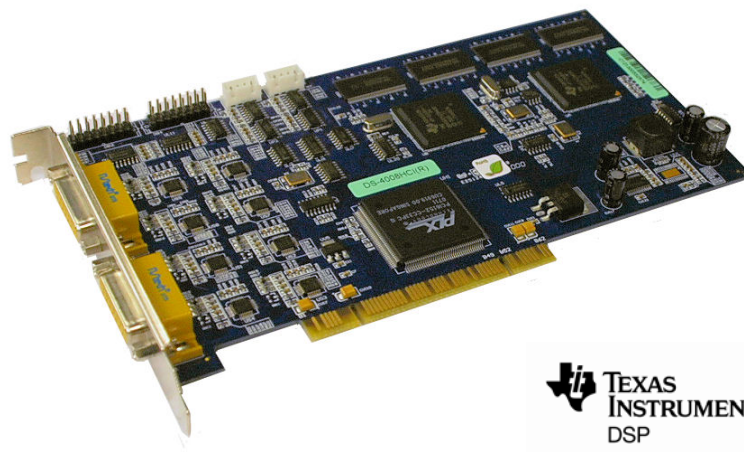


IDS-4008HCI 8ch H.264 2CIF Real-time DVR Card

H.264 HARDWARE COMPRESSION, 2CIF REAL-TIME, T.I. DSP TECHNOLOGY

Product Features

- Texas Instruments H.264 DSPs
- 4CIF Preview All Channels
- 2CIF Real-Time Audio/Video Recording
- Variable Bit Rate
- Dual Stream Network Capability
- Supports OSD, LOGO, and Mask Overlay
- Motion Detection
- Windows 2000/XP/2003 and Linux



The **IDS-4008HCI** H.264 capture card is a state-of-the-art video/audio hardware compression board for security and surveillance applications.

The **IDS-4008HCI** adopts Texas Instruments H.264 DSPs (Digital Signal Processors) utilizing H.264 ACE (Advanced Code Efficiency). H.264 has the advantage of high image quality, low bitrate, and low storage requirements, especially suited for digital video security systems. Compared with other compression boards, the **IDS-4008HCI** embodies a variety of advantages:

- Conserves Storage Space – the compression ratio of the **IDS-4008HCI** is higher than those that adopt MPEG-1 or other standards, without sacrificing quality. Given the same hard drive capacity, the **IDS-4008HCI** leads to longer recording times, thus reducing storage costs, maintenance expenses, and improves system reliability.
- Excellent Image Quality – the **IDS-4008HCI** adopts variable bitrate encoding. It assures constant image quality regardless of the amount of motion present. Even under extremely excessive motion, the mosaic phenomenon will not be present. During low movement, there is a low bitrate for low hard drive consumption. When movement increases, bitrate adjusts to provide excellent image quality at all times. The **IDS-4008HCI** supports real-time preview and record without wobble or time delay.
- Fluent Network Transmission – the **IDS-4008HCI** adjusts parameters dynamically, which ensures excellent and fluent image quality in network transmission. The Dual Stream network function allows high resolution recording images to the hard drive, while having the ability to configure network parameters independently of record parameters. Supporting 4CIF, DCIF, 2CIF, CIF, and QCIF coding, variable bitrate, and variable frame rate for network transmission. This is most suitable for narrowband networks, such as dial-up PSTN, ISDN, and DDN.
- Convenient Control – the board's parameters such as image quality, frame rate, and motion sensitivity can be adjusted when encoding. Actively setting these parameters in real-time is significant in video security.
- Flexible and Reliable Motion Detection – the **IDS-4008HCI** adopts the most advanced motion detection technology whose analytical precision can be adjusted dynamically. It can not only detect micro-motion, but all discard misinformation. Reliable motion detection and video settings can reduce storage requirements. The whole detection process is completely done on board and is completely independent from compression. The board allows for detection of both fast and slow motion.
- Outstanding Stability and Sustainability – the **IDS-4008HCI** adopts Texas Instruments DSP technology for performance and reliability, rather than ASIC-based inexpensive chips. The hardware, encoding algorithm, SDK function and decoding software are all specifically designed for digital video security, making the **IDS-4008HCI** highly reliable and stable under the most demanding applications.

TECHNICAL SPECIFICATIONS

MODELS

IDS-4004HCI	4ch 2CIF/120 FPS or 2ch 4CIF/60 FPS
IDS-4008HCI	8ch 2CIF/240 FPS or 4ch 4CIF/120 FPS
IDS-4016HCI	16ch 2CIF/480 FPS or 8ch 4CIF/240 FPS

GENERAL

Video Input	8 Channels BNC(1.0Vp-p/75 ohms)
Audio Input	8 Channels BNC(2.0Vp-p/75 ohms)
Audio SNR	>83DB, Linear Electrical Level, 1000Ω
Encode DSP Count	2 Texas Instruments DSPs
Preview Resolution	4CIF: 704 x 480 (NTSC)
Video Compression	H.264, Support CBR, VBR
Frame Rate	30 FPS / sec / channel
Output	32kbps – 1000kbps (CIF) or 70kbps – 2000kbps (4CIF)
Compression Resolution	4CIF: 704 x 480 2CIF: 704 x 240 (real-time) DCIF: 528 x 320 (real-time) CIF: 352 x 240 (real-time) QCIF: 176 x 120 (real-time)
Audio Compression	OggVorbis, Sample ratio is 16KHz, Output ratio is 16kbps

ELECTRICAL

Power Consumption	Less than 7.0W
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MECHANICAL

Compatible PC Slot	PCI or PCI-X
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ENVIRONMENTAL

Operating Temperature	14° to 122°F (-10° to 50°C)
Operating Humidity	10% - 90%

PHYSICAL

Dimensions	185(W) x 107(H) mm
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SYSTEM REQUIREMENTS

OS	Windows 2000/XP/Server 2003, Redhat 9.0, Fedora 3, Fedora 4
CPU	Intel Series
Motherboard	Intel-based 845 / 865 / 915 / 925 / 945 Chipset
Memory	256MB or above
Display	nVidia GeForce MX400/420/440, FX 5200/5600, GeForce 6600, ATI Radeon
Adapter	7000/7500/8500/9000/9200/9550/9600, ATI X300/700, Intel 845G/865G/915G integrated graphics controller

COMPLIMENTARY ITEMS

Software	Professional Series Compatible Software
IDS-4002MDI	4ch H.264 Video/Audio Matrix Hardware Decode Board for 8 Analog Video/Audio Outputs
IDS-4004MDI	8ch H.264 Video/Audio Matrix Hardware Decode Board for 8 Analog Video/Audio Outputs