

PCI Card 16 canales de entrada



The DS- 4016HCI compression cards are a professional digital security product, adapted to the most advanced H.264 AVC video compression algorithm and Ogg Vorbis audio compression technology. Ogg Vorbis audio compression technology makes the sound quality smoother, crisper and synchronized. The Newly designed PCB of the card is more compact, steady and compatible. An SDK interface available in Windows and Linux makes development faster and easier.

The DS- 4016HCSI can support 16 channels in one board, compress video at CIF/QCIF resolution and preview at 4CIF

The DS- 4016HCI card uses a fully optimized algorithm based on DSP technology. This allows display of video and audio in real- time, an active video and audio preview and motion detection. Video images are directly transmitted from the card to the display frame buffer while the compression stream data is directly sent to the host's memory. The whole transmission process requires no intervention of the host computer's processor, greatly saving valuable resources. One Personal computer can support up to 64 channels of audio and video inputs. The parameters of each channel can be set independently and will not affect each other.

Additionally, the card provides a characteristic profile in order to simplify development and testing procedures. Therefore meeting different application demands widens the market for the product. Incorporated with Aventura's DS- 4002MD decoder card allows outputs to active video to analogue monitors, creating a virtual matrix solution.

The DS- 4016HCI compression cards support Windows NT/2000/XP and Linux operating systems. Aventura provides: a demonstration application with its source code, board SDK software, player SDK, network SDK and media Player plug- in.

Note: The DS-4016HCI can only be set as 16 Channels QCIF/CIF compression resolution, it does not support DCIF/2CIF/4CIF. If you need higher resolution please see our DS-4008 HCI card.

Features & Functions:

- H.264 video compression standard leads to a high compression ratio and excellent video quality. OggVorbis audio compression standard with 16KHz sampling rate and 16kbps output bit rate. Real- time Video and Audio compression with no Frame lost.
- 4CIF preview resolution

- Complies with PCI 2.1 standards. Supports up to 64 channels .
- Supports Windows NT/2000/XP, Linux operating systems .
- Full SDK. Demonstration with source code (Optional) .
- Player SDK and network SDK for PC platform. Less than 1 second delay in LAN (Optional) .
- Settable I.B.P frame sequence .
- Settable video quality and bit rate .
- Settable video signal brightness, contrast, saturation and hue .
- Support motion detection .
- Support OSD, LOGO and MASK overlay .
- Support Watermark technology .
- Video and audio can be decoded on a DS- 4002MDI card and displayed on an analog monitor .

Specifications (subject to change without notice):

Video:

- Video Input: 16 Channels BNC
Support max. 64 channels in one system (PIII 800 MHz or above)
- Model: PAL – NTSC
- Resolution: CIF: 352x288(PAL) - 352x240(NTSC)
QCIF: 176x144(PAL) - 176x120(NTSC)
- Frame ratio: 25F/S, 30F/S
Every channel is Real Time (Both for preview, recording and play back)
- Output Ratio: 32kbps- 4000kbps

Audio:

- Audio Input: 16 Channels Audio Input
- Sampling Ratio: 16 KHz
- Output code ratio: 16 kbps