

Piccolo VI6 H.264

Capture and H.264 Video Compression Card for 16 Video Inputs with Audio Capability

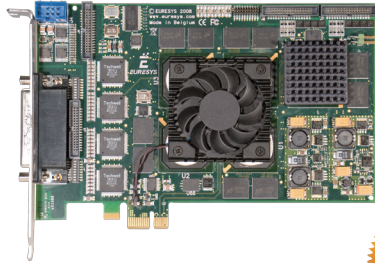


1 Cameras

2 Frame Grabbers

3 Vision Platforms

4 Image Analysis Tools



NEW



Features

- PCI Express® x1 compliant
- On-board real-time H.264 compression, 200 fps/240 fps at full resolution
- 16 video inputs PAL or NTSC
- Simultaneous and independent H.264 compressed and raw image transfer
- Precise hardware controlled time stamping

Applications

- Intelligent Transportation System (ITS)
- Digital Video Recorder (DVR)
- PC-based surveillance systems
- Factory monitoring systems

Software Support

- Windows® Platform
 - Available for Windows® XP/Server 2003/Vista (64/32-bit)
 - Recommended programming environments: C/C++/.NET/ActiveX controls

Ordering Information

- **Piccolo VI6 H.264 Cable**
Capture and H.264 video compression card for 16 video inputs with audio capability

Accessories

Cabling

- **VI6 H.264 Cable**
 - 0.3 M, one HD44 to sixteen BNC
- **Piccolo VI6H264 to RTV-E4 Cable**
 - 0.3 M, one IDC44 to four ICD10

Extension Board

- **RTV-E4**

Extension Board

- Expandable up to 16 channels

Introduction

The Piccolo VI6 H.264 is designed for demanding video-surveillance applications by offering 16 simultaneous video streams, in both compressed video (H.264) and raw video streams. Sixteen audio inputs are also provided to provide audio recording capabilities for any video channel.

The on-board decoders and processor perform on-the-fly data processing-scaling, fixed cropping, contrast, brightness, saturation, color conversion, mask or caption insertion, decimation, and storage format. The acquired streams—one compressed and one uncompressed, with different configurations—can be sent from the frame grabber memory to two different memory locations, such as the main memory of the computer for storage, and the graphic card memory for preview and display.

Video

- ◆ 16 real-time analog video inputs - PAL / NTSC -
 - * Contrast, brightness and saturation controls available
 - * Video presence/loss detection
 - One pass-through buffered video output with cascade capability
 - Video connectors for Video In and Out
 - * One HD44 connector on the bracket
 - * 75-Ohm removable termination resistors
 - * Internal pin header connectors
 - 1 "VIDEO IN": 34-pin high density header, 1.27 mm pitch
 - 1 "VIDEO OUTPUT & CASCADE": 6-pin header

H.264 Compression

- ◆ 16 simultaneous and independent compressed (H.264) and raw video streams
 - * Simultaneous capture and preview functions subject to PC bus available bandwidth
 - Compressed images
 - > To be stored on the hard disc
 - > To be transferred by the network
 - Uncompressed images
 - > For immediate display
 - > For video analytics
 - * Precise time stamping
 - * Independently configurable functions on both streams
 - Frame rate control
 - Resolution control
 - Overlay: insertion of caption text messages on the image
 - Masking: insertion of up to four rectangular masking regions on the image

