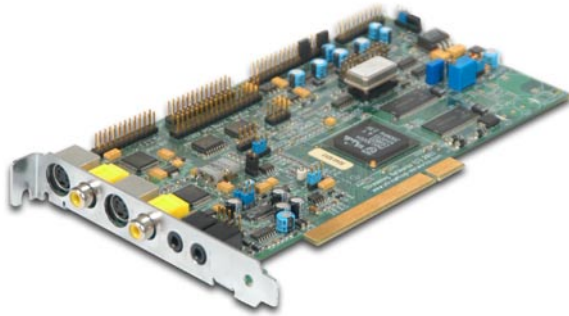


TriREF PCI Development Board

www.streaming-networks.com

High Speed PCI Board with Digital Video, Multi channel Audio Interfaces



Standard PCI

Based on PNX 1302

Versatile A/V Interfaces

Support for wide range of Audio & Video interfaces

Highly Reliable

Fully tested and supported BSP

OVERVIEW

Streaming Networks pioneered Nexperia/Trimedia reference development with the TriRef board. The board is a standard PCI card and has all the necessary peripherals required for software development based on Trimedia/Nexperia 1300 processors.

AUDIO / VIDEO / DATA INPUT & OUTPUT

The board offers CCIR 601 digital video input and output. It accepts single-channel S-Video (PAL/NTSC) and dual-channel CVBS video (PAL/NTSC) inputs and generates single-channel CVBS and S-Video output. It supports mono, quad-channel audio input and stereo, single-channel audio output.

Additional features include actuator I/O with eight channels a piece, a single-channel IR receiver, a real-time clock, a DAA interface header for use with a soft modem, and dual power input support (12V DC and standard ATX).

MEMORY AND PERIPHERALS

The board has 32MB RAM available in two banks of 16MB each. For video, there is SAA7113 decoder and SAA7121 encoder. For audio, there are UDA1341 and UDA1320 codecs

DEVELOPMENT AND DEBUG

The board comes with I²C and JTAG interface for easy and versatile development and debug environment. The Board support package (BSP) is fully tested and robust. Sample board test programs are also provided. These features have made TriREF PCI the ideal choice for embedded systems developers.

PRODUCT SUPPORT PACKAGE

To connect the board to A/V sources, sinks, and storage media, the board comes with all the required cables, connectors, and power adapters. The board also comes with a CD containing support and test software. There are test algorithms for all the on-board peripherals, including USB, IDE, and Ethernet.

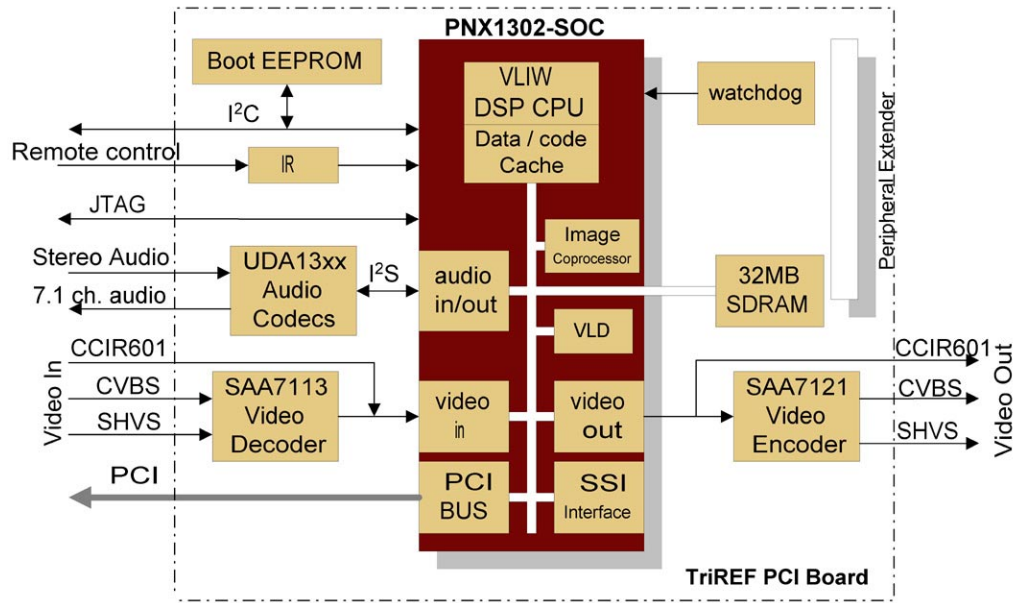
KEY FEATURES

- PNX1302 VLIW DSP CPU from Philips Nexperia
- Full length universal PCI board with 200 MHz PNX1302, giving up to 1000 MIPS
- 32 MB SDRAM, 166MHz
- Camera inputs, PAL/NTSC CVBS, S-VHS
- Digital camera input, CCIR 601
- Video out, PAL/NTSC CVBS, S-VHS
- Digital video out, CCIR 601
- Stereo audio input
- 8-channel audio out
- IR remote control
- JTAG interface
- Boot EEPROM
- Extension connectors
- Fully tested board support package (BSP)

(Block Diagram on next page)



BLOCK DIAGRAM



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Enabling the Digital Media Revolution