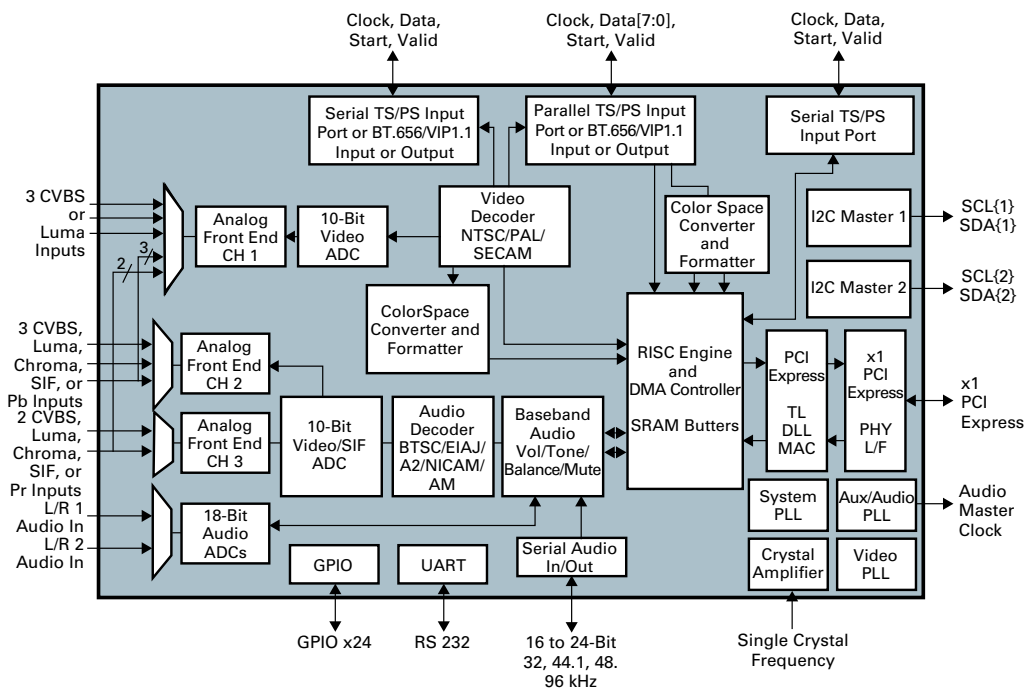




Features

- PCI Express 1.0a compliant
- Worldwide audio and video decoding
- Automatic video and broadcast audio standard detection and configuration
- Flexible video input MUX supporting composite, S-Video, and component inputs with integrated anti-alias filtering
- Integrated sigma-delta stereo audio ADCs with 4:2 MUX
- Audio sample-rate converters on all inputs and outputs
- Two MPEG transport stream ports — serial or parallel interfaces
- Support for the following audio formats: stereo, mono, dual language (mono), tri language (Trivox)
- Two program stream inputs — serial or parallel interfaces
- Two I²C master ports (two ports are required for a two-tuner design to isolate I²C transactions to reduce noise)
- Macrovision 1.0 detection compliant
- Programmable Vertical Blanking Interval (VBI) data slicer for data services such as closed caption, Wide Screen Signaling (WSS), Gemstar 1x and 2x, and program guides
- Infrared transmitter and receiver logic
- High-quality multi-tap horizontal and vertical image scaler for decoded video or 4:2:2 sources
- ITU-R BT.656 input port
- ITU-R BT.656 output port
- I²S in (line-in audio)
- I²S out
- Auxiliary Phase Locked Loop (PLL) clock for general use



CX23885 Block Diagram

Conexant Product Portfolio

The company's broad portfolio of semiconductor products also includes client-side DSL, cable, and dial-up modem solutions; fiber optic system-on-chips; broadcast video encoders and decoders; digital set-top box components and systems solutions; and IEEE 802.11a/b/g/n-compliant WLAN chipsets. Additional products include a complete line of asymmetric and symmetric DSL central office solutions, which are used by service providers worldwide to deliver broadband data, voice, and video over copper telephone lines.

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