Advance Information

This document contains information on a product under development. The parametric information contains target parameters that are subject to change.

BtV2300

AudioStream Interface

A multimedia solution would not be complete without one important ingredient -- audio.
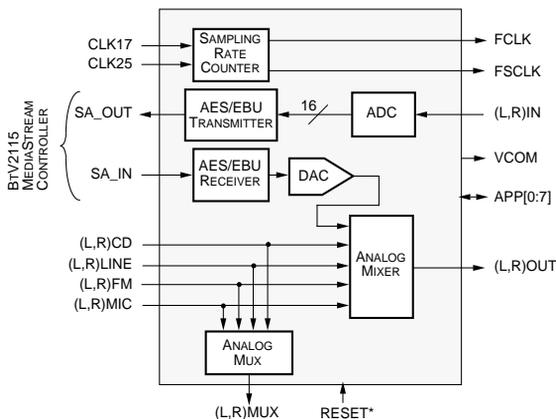
The BtV MediaStream family provides a solution that tightly couples the audio system to the video and graphics system. The BtV2300 AudioStream Interface when used with the MediaStream Controller, provides a fully integrated audio subsystem, specifically targeted at multimedia applications.

In the MediaStream family, access to the audio subsystem is accomplished by way of the controller's attachment to the high speed VESA local bus or PCI bus. Combining this high speed bus connection with the ability to transfer bursts of audio data to and from the MediaBuffer results in reduced CPU workload and a more efficient use of bus resources.

Distinguishing Features

- Sample Rates of 4–48 kHz
- Internal Stereo DACs & ADCs
- DOS Game Audio Support
- Analog Inputs for MIC, CD and Line Level Inputs
- Analog Inputs for Direct Connection to Yamaha FM Synthesis Chipset (OPL2/3/4)
- Flexible On-chip Mixing of All Analog Inputs.
- On-chip Pre-amplifier for Direct Microphone Connections
- Stereo or Mono Operation
- Playback of All Windows .WAV Files
- Serial AES/EBU Connections to the BtV2115 MediaStream Controller
- +5V Monolithic CMOS
- 44-pin PLCC Package

Functional Block Diagram

Related Products

- BtV2115 MediaStream Controller
- BtV2487 PACDAC™

Applications

- Personal Computers
- Video Teleconferencing
- Multimedia Applications
- Digital Audio Workstations

Figure 2. BtV2300 Detailed Block Diagram