



Media Card Project Overview

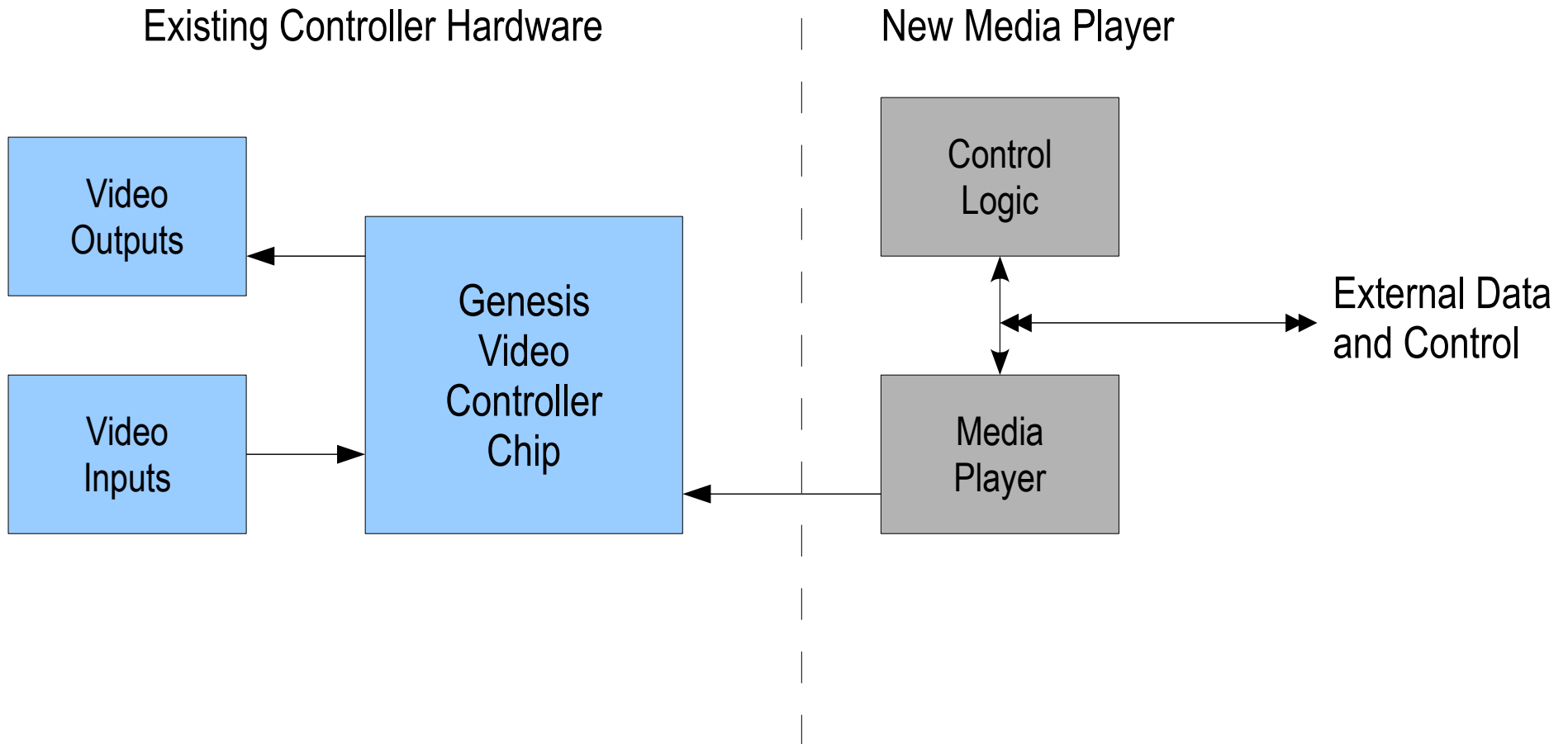
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Project Goals

- Continue implementation of a media player device that is integrated into our current video controller architecture.
 - Review existing reference circuitry schematic and perform PWB layout
 - Develop external software to control media player via Ethernet
 - Modify existing firmware to utilize media player
 - Test board with media player

Block Diagram



Project Status

This project is a continuation of a project from the 2008-2009 year.

- Media card evaluation board firmware was configured to play media files on eval kit.
- Key components of reference design were identified.
- DipTrace components were generated
- Schematic capture and layout need to be completed.
- Ethernet control code needs to be written.

Functional Positions

- System Architect / project lead – Understand our Djehuty™ system and media card issues; define design requirements and test parameters; assist other functions as needed
- Circuit Designer – Utilize DipTrace to perform schematic capture; define Bill of Materials
- Layout – Utilize DipTrace to layout a printed wiring board to implement design
- Software Engineer – Design and develop external control system
- Firmware Engineer – Learn existing Genesis firmware and extend it to utilize media player