

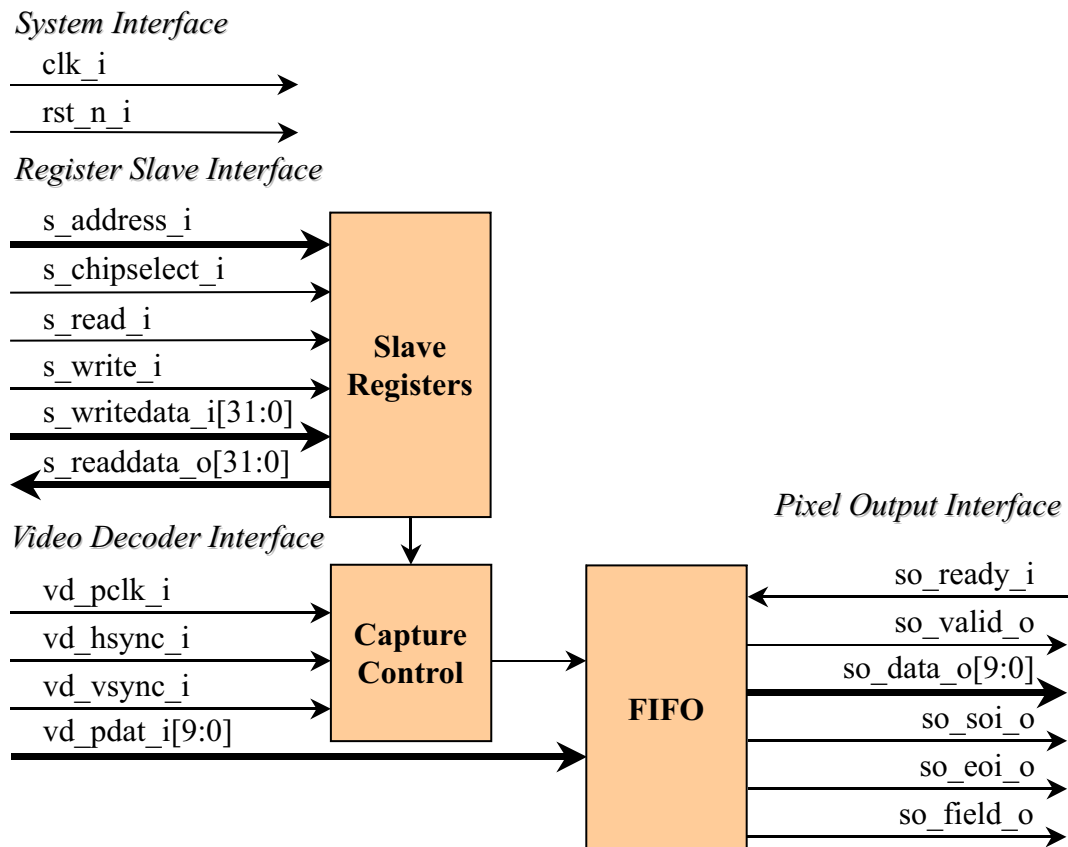
Overview

iW-Video Decoder Interface core accepts BT601/656 video frames (digitized NTSC/PAL) in 10-bit Y'CbCr 4:2:2 format from a video decoder of an analog camera and outputs 16-bit video data in the same format in a continuous stream without blanking and synchronization information.

Features

- ❖ Supports BT601 interface
- ❖ Supports BT656 interface
- ❖ Supports both NTSC & PAL resolution
- ❖ Programmable polarity of frame clock & line clock

Block Diagram



Core Benefits

- ❖ Simple design makes it easier to integrate in many FPGA families

Core Applications

- ❖ Can be used to interface to Video Decoders such as ADV7180
- ❖ Can be used in video surveillance systems and all kind of video processing systems

Deliverables

- ❖ Technical Specification
- ❖ RTL Verilog Synthesizable Code
- ❖ Comprehensive Test Environment
- ❖ Technical Support and Maintenance

About Us

iWave Systems Technologies is an embedded Hardware and Software Turnkey Design Services focused on providing integrated solutions for developing innovative products and systems in the areas of Communication, Consumer Electronics and Multimedia. iWave offers complete turnkey solutions for systems engineering and product development.

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