iWave
Embedding Intelligence
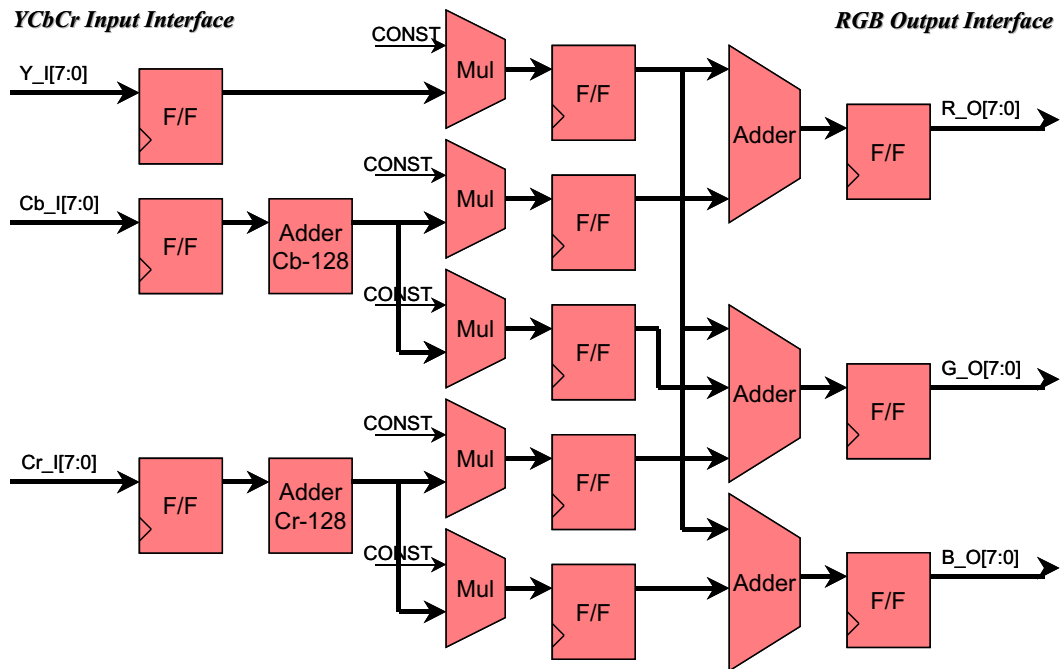
iW–Color Space Converter

Overview

iW-Color Space Converter converts different video formats into RGB. This simple reliable core can be easily integrated into industrial, commercial, entertainment and applications that use LCD display.

Features

❖ Supports the following Color Space Converter Core :
  ✠ YCbCr to RGB
  ✠ YUV to RGB
❖ Function selection using an input signal
❖ Pipelined multiplier
❖ Latency of 4 clocks

Block Diagram

Core Benefits

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

Core Applications

❖ Can be used in video applications such as image grabber, display systems and etc.
❖ Can be used in applications that require LCD Interface

Deliverables

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

About Us

*i*Wave 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. *i*Wave offers complete turnkey solutions for systems engineering and product development.

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