

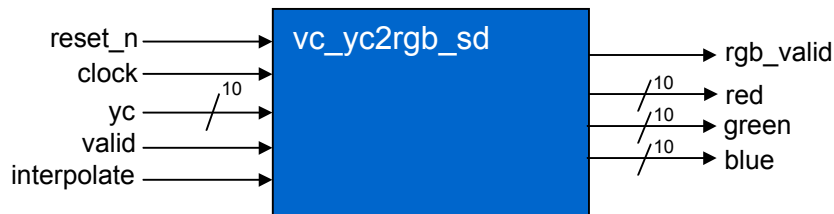


## vc\_yc2rgb\_sd : Standard Definition YC to RGB Color Space Converter

This Core Values™ product converts 4:2:2 YCbCr video to 4:4:4 RGB video.

### FEATURES

- Converts 10-bit Standard Definition 4:2:2 YCbCr Video
- Outputs 4:4:4 13.5 MHz 10-bit 0-255 RGB Video
- Internal 23-bit precision
- CbYCrY 27 MHz 16-240/235 10-bit video input
- CCIR 601 Color Space Converter
- Linted and Verified Verilog 2001 Source Code
- Permanent Company License (not per-project)
- ASICs and Actel, Altera, Lattice and Xilinx FPGAs

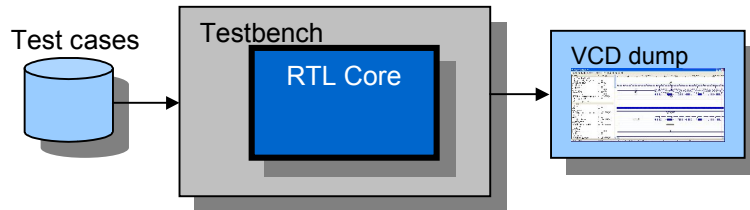


### EXTERNAL REQUIREMENTS

- Active-low Reset, 27 MHz video clock

### DELIVERABLES FOR EACH CORE

- Synthesizable Verilog 2001 RTL Source Code
- Fast Verilog 2001 Testbench and Test cases
- VCD Functional Dump
- User Manual



### APPLICATIONS

- Format Converters
- Scalers