

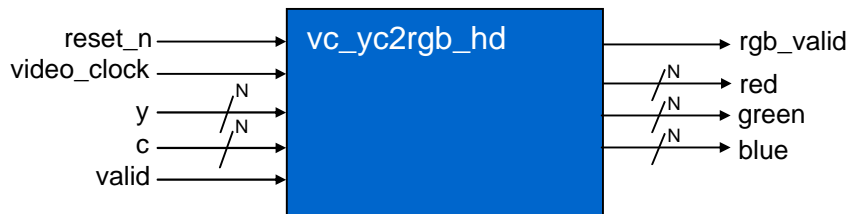


## vc\_yc2rgb\_hd : High Definition YC to RGB Deep Color Space Converter

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

### FEATURES

- Converts High Definition 4:2:2 YCbCr Video
- Outputs 4:4:4 RGB Video
- Parametrizable Internal M-bit precision
- Parametrizable I/O N-bit precision
- Follows ITU-R Recommendation BT.709
- Linted and Verified Verilog 2001 Source Code
- Permanent Company License (not per-project)
- ASICs and Actel, Altera, Lattice and Xilinx FPGAs

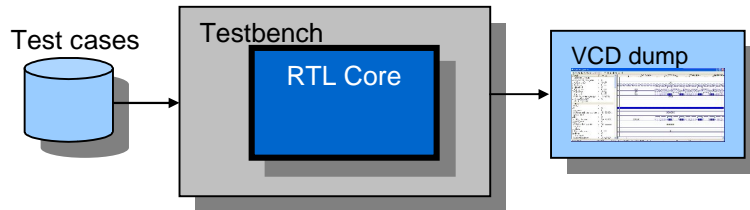


### EXTERNAL REQUIREMENTS

- Active-low Reset, 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

- Broadcast HD Format Converters
- Broadcast HD Scalers