

Chroma Re-sampler core can be used as chroma sub sampling or chroma up sampling.

Core Benefits

- Can be used in On Screen Display and Picture in Picture applications.
- Simple design makes it easier to integrate in many FPGA families.

Applications

- Used in all kinds of video processing systems

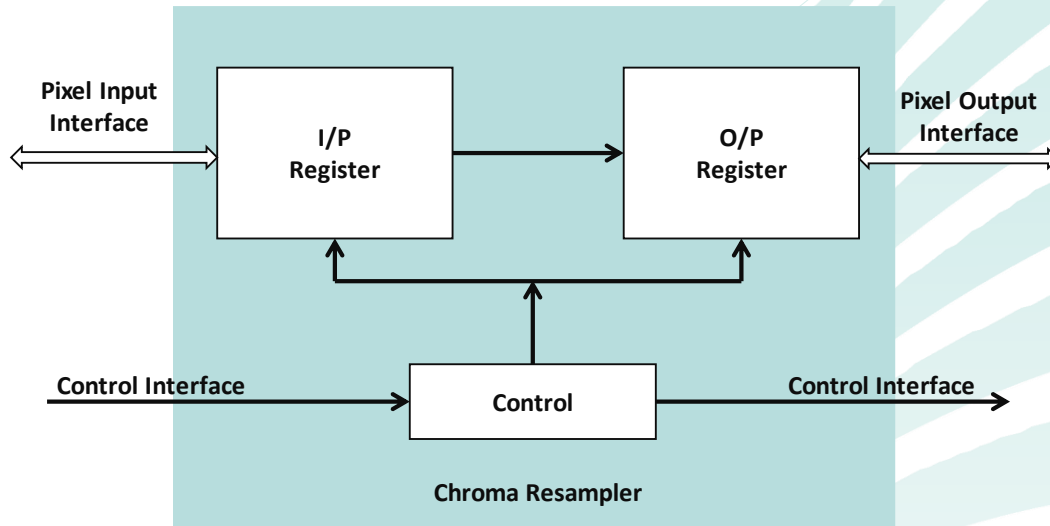
Highlights

- Core uses average algorithm for Chroma sub sampling and replicate algorithm for Chroma up sampling

Features

- Core uses average algorithm for Chroma sub sampling and replicate algorithm for Chroma up sampling
- **Chroma Sub Sampling**
 - Input format: 4:4:4
 - Output format: 4:2:0
 - Algorithm: Averaging
 - Image size resolution can be from QCIF to Full HD
 - 8-bit per pixel per color
- **Chroma Up Sampling**
 - 3 color plane parallel processing
 - Input format: 4:2:2
 - Output format: 4:4:4
 - Algorithm: Replicate
 - Image size resolution can be from QCIF to Full HD
 - 8-bit per pixel per color
 - 3 color plane in parallel processing

iW - Chroma Resampler IP block diagram



Deliverables

- RTL source code or Netlist
- IP example design
- IP datasheet
- Integration Manual

Licensing Options

- Non-Transferable: Single Project/Product Netlist License – Single Site or Multi Site
- Non-Transferable: Multi Project /Product Netlist License – Single Site or Multi Site
- Non-Transferable: Single Project/Product RTL Source Code License – Single Site or Multi Site
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Technical Support

iWave provides comprehensive support during your system integration & validation.

- The Client may open a new support incident by emailing to a technical support engineer
- iWave's response time shall be within 24 hours of the initial call, with the details of the action plan to resolve
- Support assistance shall be delivered by telephone, email and/or remote assistance via a web meeting
- iWave shall provide remote debugging support irrespective of the time zone/ region

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iW - Chroma Resampler FPGA IP

The IP can be ordered online from the iWave Website <http://www.iwavesystems.com/product/chroma-resampler/>
Or from our Local Partners in your region <http://www.iwavesystems.com/about-us/business-partner.html>

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