

## 2011-2012 Premiere Products

## Dazcale 2D YCbCr/RGB Down Scaler

## Original Image 1280 x 720p



**Downscaled 2:1** 



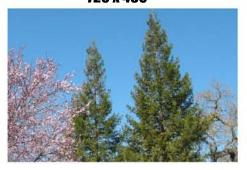
**Downscaled 4:1** 



This Core Values™ product down-scales progressive images or fields of interlaced images. The core is provided as a service and customized for your specific application. No logic is wasted on resolutions that are not needed. For example you can start with an HD 1080i input (1920x1080i) and down-scale to an NTSC output (720x480i with black/gray bars) or start with an SXGA (1280x1024) input and output SVGA (800x600).

Dazcale h Video YCbCr/RGB Horizontal Down Scaler

720 x 480



9:8 Downscale



This Core Values™ product horizontally down-scales interlaced or progressive images. The core is customized for your specific application and no logic is wasted on resolutions that are not needed. For example you can start with an SD NTSC input (720x487i) and horizontally down-scale to a VGA sized output (640x487i) for more efficient MPEG/H.264 encoding or to adapt to a certain display Horizontal resolution. Implementations are available with single-macroblock resolution and precision is parametrizable for quality/size decisions.