



**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



640 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.