

MVIP2200: Adaptive DE-INTERLACER / SCAN CONVERTER

The MVIP2200 De-Interlacer / Scan Converter Core converts a digital Interlaced YUV input to a Progressive Scan output. It is a low cost, high performance system incorporating an adaptive interpolator providing an accurate conversion of interlaced NTSC or PAL inputs to Progressive YUV or RGB outputs,

This core utilizes MetaVideo's proprietary pixel-by-pixel adaptive algorithm to produce an accurate conversion of the input video. The apparent resolution is enhanced by this process creating a picture that appears smooth, even on diagonal lines and along the edges of circles.

De-Interlaced images are recommended for interfacing with Flat Panel Displays. In addition, this core can be combined with MetaVideo's decoding, scaling, and other cores to accommodate virtually any imaging application.

Path width options include 8, 9, and 10 bits. With our library of other video modules, and our staff of experienced video engineers, MetaVideo stands ready to customize this module to your precise needs.

Features:

- Low gate count;
- High performance adaptive interpolation;
- User selectable Pixel Clock;
- Superior rendition of circles and diagonal lines;
- Seamless interface with other MetaVideo cores;

Applications:

- Enhanced Digital TV/HDTV;
- LCD Display;
- Projection Systems;
- Progressive scan DVD players

Specifications:

- 16 / 20 bit (4:2:2) YUV input;
- Optimal multiplexing at 24 / 30 bit (4:4:4) YUV input;
- RGB output standard, other formats available;

