



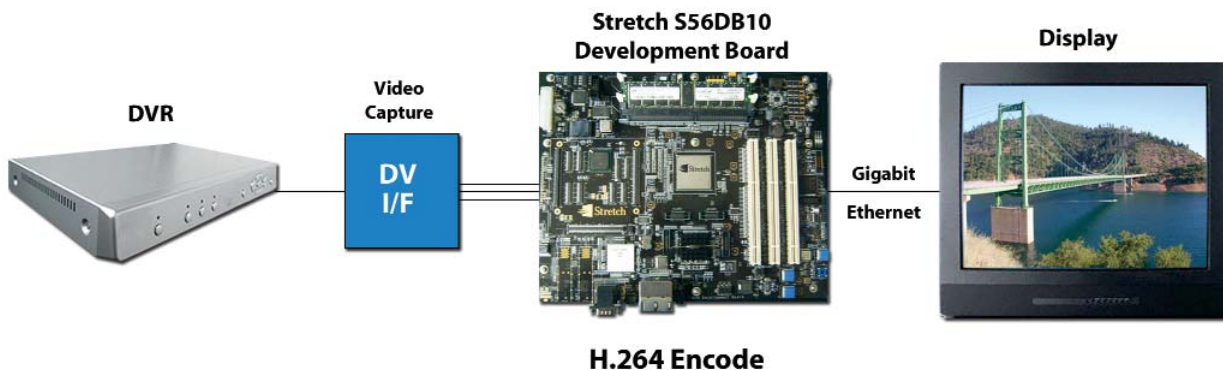
Extending the Possibilities™ > www.stretchinc.com

ACCELERATING Video Applications



Stretch S5610 Powers Vanguard Software Solutions' H.264 Processing

- Best SD Encoding Performance of any Programmable Solution
- Single-Chip H.264 Encoding vs. Multiple-DSP Solution
- Development Time: Four Man-Months to Port H.264 Algorithm *from Scratch*



- Capture – Video image from any source
- Process – H.264 video compression
- Display – Compressed bit stream displayed anywhere via Ethernet

Features

- Acceleration based on a single S5610 processor
- Standard Definition (SD) video input (525i @ 30fps, 4:2:2, 625i coming)
 - High memory bandwidth (64-bit, DDR400)
 - Supports high raw video bandwidth (up to 20 MB/s)
- Application algorithms
 - H.264 Baseline with intra and inter frames
 - Motion Estimation
 - CABAC post-processing
- Implementation on Stretch's Video Development Platform
 - S56DB10 Development Board
 - Video capture and display hardware
 - Software infrastructure for video I/O and processing

Benefits

- Software-configurable processor optimized for video processing
- Revolutionary C-based acceleration platform
- Unprecedented performance, ease-of-use and rapid development