



Calibre launches powerful new VideoExcel broadcast video processors at NAB2009

Booth SU11422

Calibre's new **VideoExcel** line makes true broadcast grade image processing affordable. Usually Calibre products are found in live broadcast and on-stage large screen display applications but that same technology has now been leveraged to provide solutions for broadcast transmission image processing.

The first model **VXL-100HD** is a powerful frame synchronizer with up/down/cross conversion from SD>HD, HD>SD and HD>HD with per-pixel motion adaptive processing including very powerful de-interlace algorithms and very flexible variable film cadence detection.

Real-time per-pixel motion adaptive temporal and film noise reduction is provided as standard, as is SD MPEG2 codec noise reduction. VXL-100HD's temporal noise reduction can considerably improve CODEC efficiency for digital broadcast and substantially reduce file sizes for IPTV.

Powerful image enhancement techniques including a real-time unsharp mask process produce near-HD quality from SD and can greatly enhance poor quality or noisy HD footage. Unlike key competitors **VXL-100HD** includes format conversion and noise reduction within the base price.

Standard features include 3G SDI connectivity in and out, DVI/HDMI connectivity in and out, YPbPr Component connectivity in and out, genlock to bi-level, tri-level or 3G SDI digital house sync. Backwards compatibility with HD SDI and SD SDI is of course provided. Dual redundant power supplies are included for compatibility with dual power grids. Control is via a large clear front panel LCD menu, or RS232 or TCP/IP.

Audio de-embed and re-embed from and to 3G SDI, HD SDI & SD SDI is standard, as is AES digital audio support. An inbuilt audio delay automatically corrects for delays caused by VXL-100HD's internal processing, but additional delay can be added of up to several seconds to re-synchronize audio.

Future options will include VBI data processing, time code processing and full motion compensated frame rate/standards conversion.

VXL-100HD uses true studio grade video algorithms hosted on the acclaimed Realta video processor chip, aimed firmly at professional broadcasters and post production houses, large venue projection and simulation applications. With best in class video processing algorithms, highly flexible connectivity and unrivalled image quality and configuration flexibility, the **VideoExcel** range provides an exceptional level of functionality and performance at an affordable price point.

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