The **MVC100** is a PCI-bus card covering MPEG-2 HD video decoding, which offers a simple solution for HDTV playback applications. MPEG-2 data stored on the PC systems hard disk can easily be brought to screen. The MVC100 allows flexible video decoding up to MP@HL and deals with various audio formats. All relevant HD video standards like 1080i or 720p and all usual frame rates including 24p are supported. The decoded video is output as analog and digital RGB (DVI-I).

**MVC100 with analog/digital RGB video output (DVI-I) and digital audio output via TOSLink**

### Key Features
- PCI v2.2 32-bit/33 MHz
- MPEG-2 MP@HL video decoding covering all 18 ATSC formats
- Analog and digital RGB video output (DVI-I)
- Digital audio output as bitstream via TOSLink

### Technical Specification

#### Input
- DVB/ATSC transport stream data via PCI-bus
- Up to 80Mbit/s TS bitrate

#### Video
- MPEG-2, 4:2:0 MP@HL decoding
- SD and HD formats including 480p, 720p, 1080i, 1080p
- 50/59.94/60Hz framerates and 24p support
- Up to 1080i60 resp. 1080p30 decoding performance

#### Audio
- Digital audio output, Bitstream via TOSLink

Audio is output as bitstream via optical S/P-DIF. Transport stream data can be decoded from hard disk in download-scenarios or from IP-network in downstream-applications. Decoding can be controlled from PC or GPI.

**New features planned for MVC101**
- HD-SDI video output
- Audio decoding
MPEG-2 HDTV PCI Card

MVC100

Features
- PCI-Bridge, PCI v2.2 compliant, 32-bit/33 MHz
- Integrated MPEG-2 TS demultiplexer and MP@HL video decoder (HiPEG+), ISO/IEC 13818 compliant
- On-chip 32-bit RISC CPU (ARC), on-board Flash

Software
- SDK with driver, API and application for Linux platform including control and player software.(Windows version as an option)

Block Diagram

Applications
- Advertising
- Presentation
- E-Cinema
- Ready for PC-server

Contact

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