



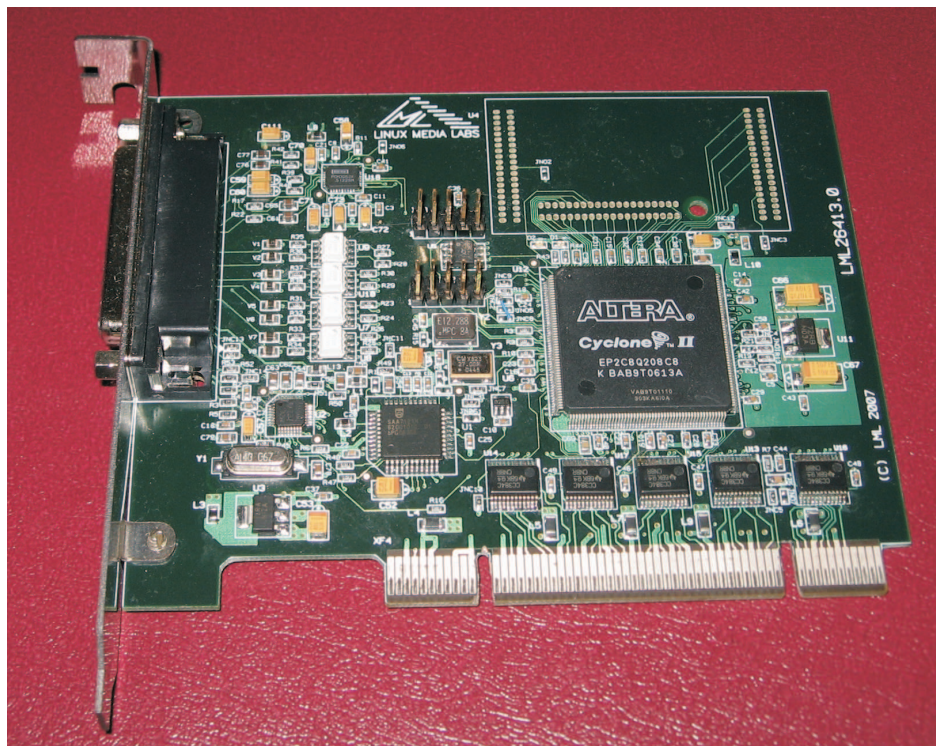
H264/AVC

Mobilygen MG1264

LML26413

Audio/Video I/O

PCI Card



- Record/Playback/Streaming Resolutions: D1, VGA, CIF, QCIF
- Encoding/Decoding Format H.264, AAC (MPEG4 part 10)
- H264 level:
- Container Format QT, AVI
- Video signal encoding: NTSC, PAL
- Video Input: 1ch composite and S-video
- Video Output: 1 ch
- Audio I/O: 1 in / 1 out stereo, microphone mono input
- Optically decoupled I/O: 8ch input
- External video players: mplayer, VLC, QT, MP9, Active X
- Field upgradable FPGA configuration
- Assembled in the US
- Linux device driver under GNU GPL
- command line control applicaton
- web-interface application
- RTSP streaming server

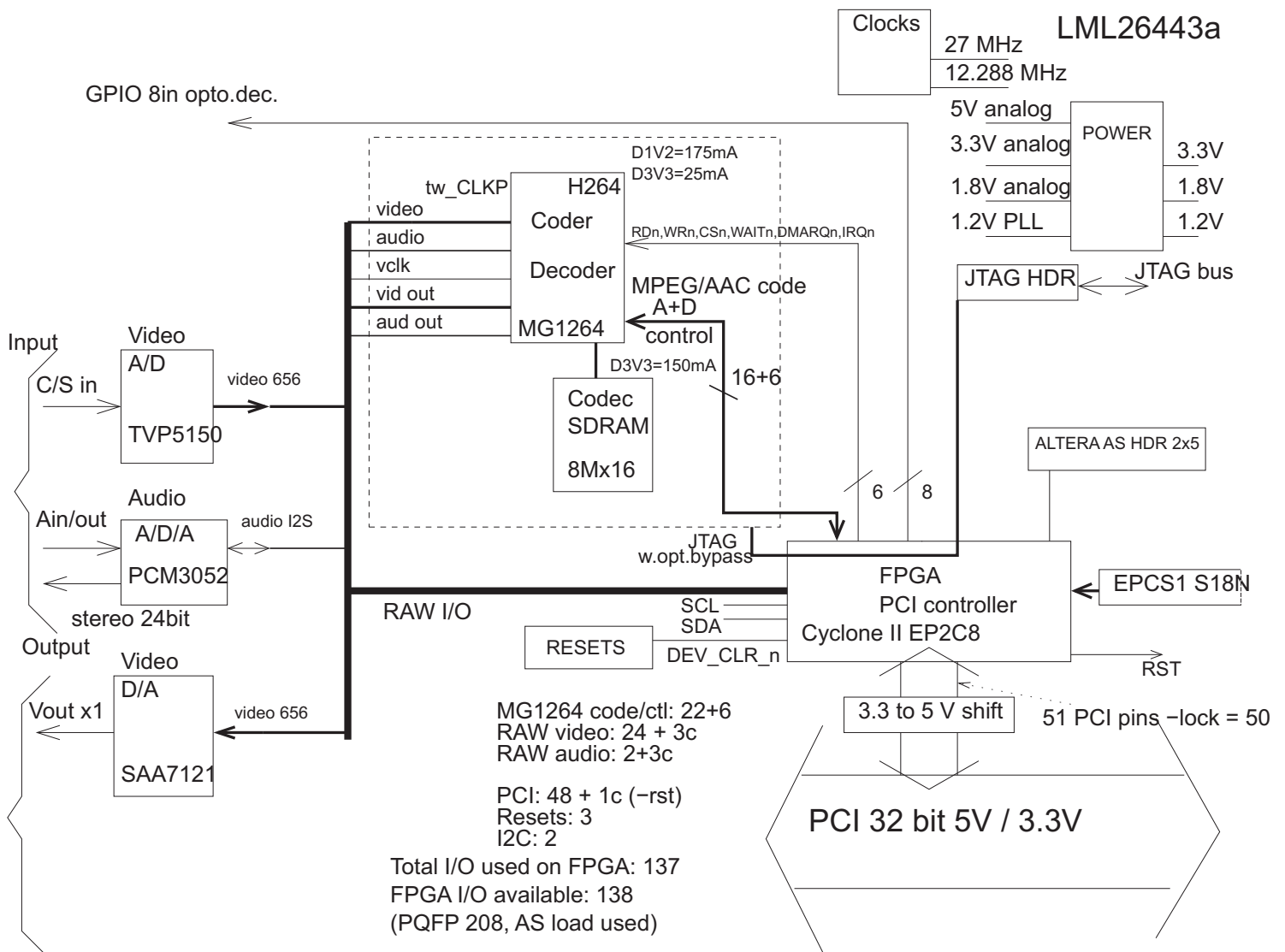
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LML26413 Block Diagram



Flexible video processing platform

LML26441 is not just a video capture/playback card - it's a complete architecture open to further customization and VAR integration. Powered by LML's Open Source and Open Cores hardware and software, LML26441 Capture Card converts audio/video and formats them in real time, without CPU overhead. LML26441 supports 8-bit uncompressed video and 24bit stereo audio, as well as H264 compression and decompression using Mobilygen's next generation MG1264 high performance D1 resolution, full frame rate (30frames/sec) video processor, with AAC audio coding/decoding. LML26413's high performance FPGA based video pre-processing front end ensures high quality audio/video capture enabling the most efficient use of bandwidth by compressed bitstreams. RDK option is available that allows customer use VHDL or Verilog in order to add additional processing features into audio/video processing datapath of LML26413.

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