LINUX MEDIA LABS

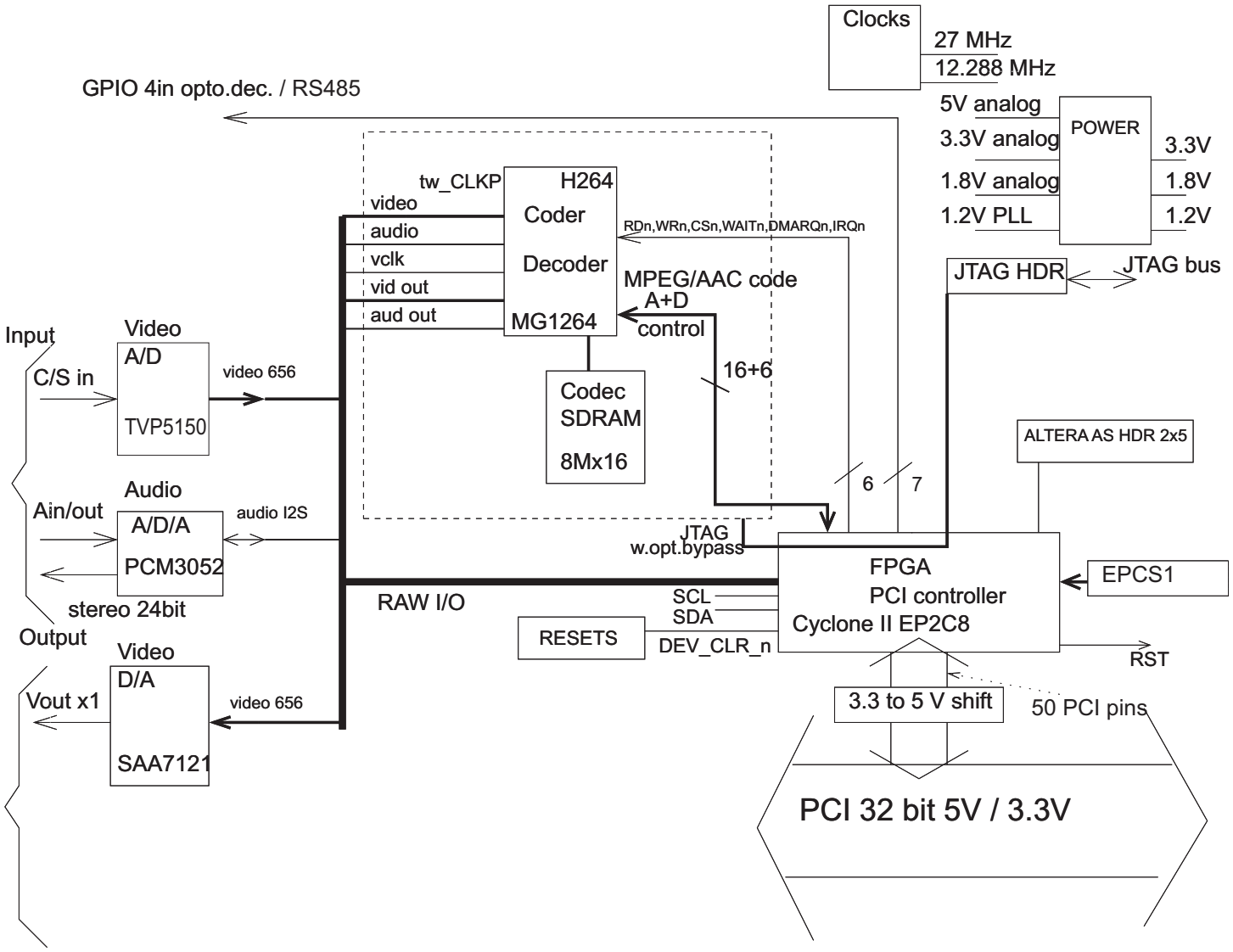
H264/AVC Mobilygen MG1264 Audio/Video I/O PCI Card

LML26415

- Record/Playback/Streaming Resolutions: D1, VGA, CIF, QCIF
- Encoding/Decoding Format H.264, AAC (MPEG4 part 10)
- H264 level: Baseline / Main intersection plus field coding
- 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
- Full duplex audio/video/code datapath - capture/playback at the same time
- Optically decoupled I/O: 4ch bit input
- RS485 IO option
- External video players: mplayer, VLC, QT, MP9, Active X
- Field upgradable FPGA configuration
- Assembled in the US, Linux kernel device driver under GNU GPL
- Command line control application
- Web-interface application

Linux Media Labs, P.O.BOX 931
Woodland Park, CO 80866, USA
http://linuxmedialabs.com
+1-719-359-5330
email: info@linuxmedialabs.com

LML26415 Block Diagram



Flexible video processing platform

LML26415 is not just a video capture/playback card - it's a comprehensive platform open to further customization and VAR integration. Powered by LML's Open Source and Open Cores hardware and software, LML26415 Capture/Playback Card converts audio/video formats in real time, without CPU overhead. LML26415 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 simultaneously with full frame rate (30frames/sec) hardware video codec, with AAC audio coding/decoding. LML26415'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 end user functions into audio/video processing datapath of LML26415.

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