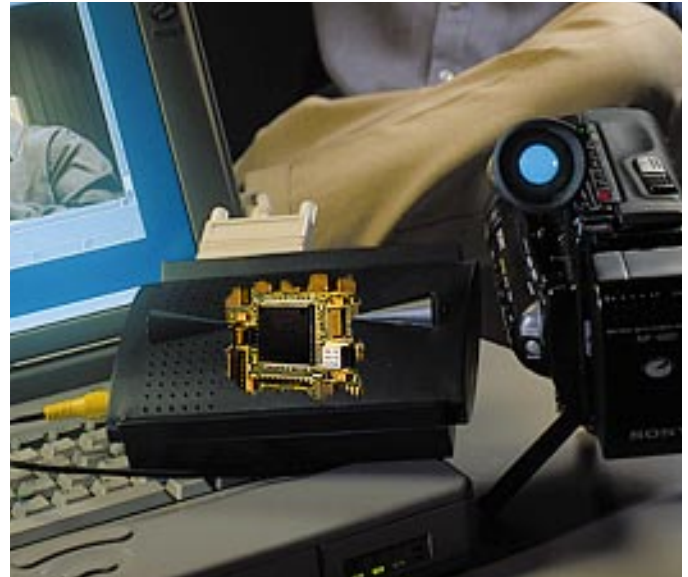


CLM4111 MPEG-1 VIDEO ENCODER

SINGLE-CHIP, REAL-TIME, ONE-PASS DESKTOP ENCODER FOR MAINSTREAM CONSUMER APPLICATIONS

The CLM4111 is the perfect encoder for mainstream MPEG Video Peripherals (MVP), PC add-in cards, and consumer and entry-level business video systems. Use it to enable a range of applications including PC-based video authoring for websites, videotape-to-CDR archiving, and video e-mail.

The CLM4111 encoder is based on C-Cube's third-generation MPEG VideoRISC™-3 Processor (VRP-3) with advanced architecture and proven algorithms.



FEATURES

- Comprehensive editing/encoding solution for video and multimedia
- Real-time encoding of digital video into MPEG-1 syntax
 - Complies with all requirements of the MPEG-1 standard (ISO 11172)
 - Intra-, predicted-, and bi-directional frames
 - SIF and QSIF resolutions
 - NTSC and PAL frame rates
- Captures full-motion video up to 30 fps (NTSC) or 25 fps (PAL)
- Captures high-resolution still images to 704 x 480 (NTSC), 704 x 576 (PAL)
- Message-based application program interface and reference tools speed development

APPLICATIONS

- Computer-based presentations and training
- Still-image capture
- Home movie editing
- Video e-mail
- Web page development
- Low bandwidth media (CD ROM, Ethernet, T1 links)

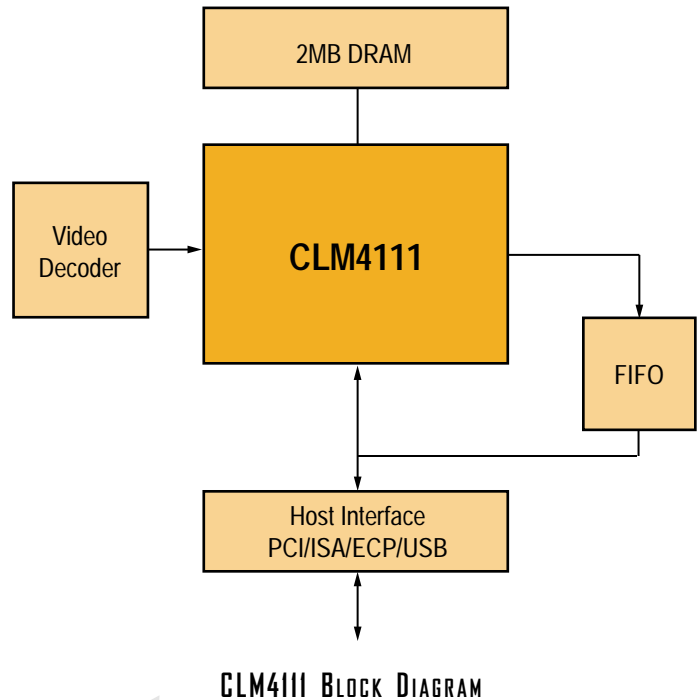
OPERATING CONDITIONS (MAX RATINGS)

Supply Voltage.....	3.3 V
Power Dissipation.....	1.0 W
Storage Temperature Range	-65 to 150°C
Operating Temperature Range	0 to 80°C
Package.....	208-PQFP

REFERENCE DESIGNS

MVP Reference Design Kit: Demonstrates the design of an MPEG Video Peripheral (MVP). The MVP Reference Design Kit is easy to install and lets the user capture high quality MPEG-1 video or high resolution still images from a VCR, camcorder, or other video source. Includes card, schematics, software evaluation bundles, Gerber design files, detailed bill of materials, and documentation.

Authorlite PCI Reference Design: Demonstrates the design of a low-cost PCI MPEG encoding card. Authorlite uses Plug-n-Play to simplify installation. The sample software application implements high quality video overlay for preview. Includes card, schematics, software evaluation bundles, Gerber design files, detailed bill of materials, and documentation.



SPECIFICATIONS

Input Format	Output Resolution	Output Format	Picture Rate (Hz)	Compressed Data Rate
NTSC	352 x 240	SIF	29.97	1 to 3 Mbits/sec
PAL	352 x 288	SIF	25	1 to 3 Mbits/sec
Square Pixel	320 x 240	SIF	29.97	1 to 3 Mbits/sec
NTSC QSIF	176 x 112	QSIF	29.97	56 to 1000 Kbits/sec
PAL QSIF	176 x 144	QSIF	25	56 to 1000 Kbits/sec
Square Pixel QSIF	160 x 112	QSIF	29.97	56 to 1000 Kbits/sec

