



KAL - Large IP Cores:

VIP cores:

- PCIe, USB, AMBA
- SD/SDIO, eMMC
- UniPro, I3C, Soundwire
- DDR 2/3/4, LPDDR, ONFI, SATA
- HDMI
- CAN, CANFDm FLexRay
- SPI, I2C, SMBus

Military/Aerospace

- 1553

Multimedia

- H.264
- JPEG

Memory Controllers:

- SD/SDIO Controller
- SDRAM Controller
- DDR / SDRAM Controller
- NAND Flash Controller
- Flash/EEPROM/SRAM Controller
- PCMCIA/CompactFlash Host Adapter
- PCMCIA/CompactFlash Slave Controller

CPU Cores:

- **32 bit - NEW**
- **8 bit - 8051**
- 8 bit- HC68HC11
- 8 bit - PIC Processor
- 8 bit – Z80
- 16 bit – D6800

Clock Synchronization:

Our IP and design partner A2E provides FPGA and ASIC developer with H.264 and JPEG IP cores – Review

H.264 ENCODER and CODEC Micro Footprint Cores - NOW WITH < 1ms latency @ 1080p30!

A licensable ITAR compliant, customizable H.264 Core targeted at FPGAs that provides 1080p60 H.264 Baseline support in the smallest and fastest single core in the industry with the following flavors:

H.264 Encoder

H.264 CODEC

H.264 I-Frame Only Encoder

H.264 Cores can be customized to provide: Custom pixel depths

JPEG Cores

A licensable ITAR compliant, customizable JPEG Core targeted at Xilinx FPGAs that provides high-resolution JPEG Baseline functionality with true grayscale support.

JPEG Encoder

JPEG Decoder

KAL is representing A2e Technologies Inc in Israel.

www.KALtech.co.il

We are looking forward to hear from you.
Contact us for more information.

- IEEE 1588 Slave
- IEEE 1588 Master
- IEEE 1588 Master/Slave
- IEEE 1588 PTP Stack
- IEEE 1588 L2/L3 Solution

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Peripherals:

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- HDLC/SDLC
- Smart Card Reader Unit
- EEPROM SPI Ctrl
- LCD Ctrl
- Floating Point Unit
- I2C Master/Slave
- SPI Master/Slave
- CAN/CAN FD bus
- LIN bus
- Programmable Peripheral Interface
- UART, UART with FIFO
- PWM
- Timer 8254
- Programmable Timer
- Interrupt Controller
- Ethernet Controller 10/100/1000 BaseT
- DMA Controller
- USB 1.0/2.0 Host/Slave
- On Chip Bus Analyzer

eNews Registration: <http://www.kaltech.co.il/>

Until the next eNews,

Thanks you for your attention.

KAL

PCI Bus Controllers and Peripherals:

- PCI Express
- PCI-X Host Bridge Master/Target
- PCI Host Bridge Master/Target
- PCI-PCI Bridge
- PCI-ISA Bridge
- PCI Bus Arbiter

Modulation:

- ADPSM

AHB/APB Peripherals:

- AHB Bus Master/Slave
- APB Bus Master/Slave
- AHB/AXI DMA Controller

- **AXI Bus Master/Slave**

Analog IP Cores:

- **Analog IP cores (ADC, DAC, PLL,) are available – Please contact us.**
- **We are expert in custom analog IP**

[Contact us for data sheet](#)