LI-TB02

Product Description

Leopardboard 368 is a full featured, ultra low cost, small form factor, high performance development system which includes TMS320DM368 Processor. It has full featured accessories which includes video input, CMOS interface, video output, audio in/out, and debug ports.

Leopardboard 368 Highlights

- High-performance Digital Media System-on-Chip (DMSoC)
- 432-MHz ARM926EJ-S clock rate
- Two video image co-processor (HDVICP, MJCP) engines
- Video process subsystem

- HW face detect engine
- Resize engine from 1/16 ti 8x
- 16-bit parallel AFE (Analog Front-End) interface up to 120 MHz
- 4:2:2 (8-16-bit) interface
- 8-/16-bit YCC and up to 24-bit RGB888 digital output
- 3 DACs for HD analog video output
- hardware on-screen display (OSD)

- Capable of 1080p 30fps H.264 video processing
- Peripherals include EMAC, US 2.0 OTG, DDR2/NAND, 5 SPIs, 2 UARTs, 2MMC/SD/SDIO, Key Scan
- 8 different boot modes and configurable power-saving modes
- Pin-to-pin and software compatible with Leopardboard 365
- Extended temperature (-40°C - 85°C) available
- 3.3-V and 1.8-V I/, 1.35-V core
- 338-pin ball grid array at 65nm process technology

Leopardboard 368 Capabilities

- 10/100 ethernet port
- USB 2.0 (can be used to power the board or as expansion)
- JTAG and serial ports for debugging
- SD memory card support (also supports SDIO)
- Stereo audio in/out
- expansion connector for customer add-on feature
- Composite TV/component HD TV output
- LCD/DVI interface
- All camera boards for Leopard Imaging can be used with Leopardboard 365
- Face detection module is avilable
- Royalty-free open source 2A functions
- 1080p video encoding and decoding