TEXAS INSTRUMENTS

TMS320DM357 Digital Video Evaluation Module

TMDSEVM357

Description

The TMS320DM357 processor and DVEVM take advantage of all the tools and support included in the DaVinci technology portfolio to help product developers save months of time. The application programming interfaces (APIs) common across DaVinci offerings also means that developers familiar with DaVinci technology or ARM development can quickly develop their products with virtually no learning curve.

Features

Software Installation Instructions:

The DVEVM kit features the TMS320DM357 ARM®+ accelerator digital media processor based on DaVinci technology. With speeds up to 270MHz, and MPEG4/H.264 encoding and decoding at DI resolution, the device is ideal for advanced digital video applications and enables greater compression and streaming capabilities for low-cost video applications.

Other features of the kit includes the following:

- Linux Support Package
- MontaVista™ Pro 5 TI-Demo Tool Chain - 2.6.18 Kernel
- Drivers for UART, I2C, SPI, EDMA, NAND,MMC, SD Card, USB Host/Gadget,OTG modes.
- Video Processing Subsystem (Display, Capture, CCD Controller, Resizer, Previewer)
- OSS Audio (ASP), GPIO, PWM, WDT
- U-boot loader
- JPEG/MPEG4 SP/H.263/H.264 BP/G.711 Codecs

Other features of the board include:

- Video Input/Output
- ALSA Audio In/Out
- UART
- EMAC
- USB 2.0
- JTAG

What's Included

- AC Power Cord(s)
- Code Composer Studio™ IDE (limited to use on the starter kit)
- Demonstration version of MontaVista Pro 5.0 LSP
- Setup Guide Document
- TMS320DM357 EVM with 2GB NAND Flash and 256MB SDRAM
- USB Cable
- Universal Power Supply