



TMS320DM355 Digital Video Evaluation Module

TMDSEVM355



Description

The TMS320DM355 Digital Video Evaluation Module (DVEVM) enables developers to start immediate evaluation of DaVinci™ DM355 and DM335 processors and begin building digital video applications such as IP security cameras, digital photo frames, digital still cameras, video doorbells, portable medical and portable digital video products that have yet to be invented.

The DVEVM allows developers to write production-ready application code for the ARM and provides access to the MJCP coprocessor core using DaVinci APIs to begin immediate application development for the TMS320DM355 digital media processors.

MontaVista's Linux Pro is recommended for production, and is available from MontaVista.

Features

TI's eXpressDSP™ Linux-based DVSDK allows system integrators to incorporate discrete software modules and combine them into a single executable output for the systems, avoiding months of tedious manual integration. By making it easy to create custom bundles of codecs for specific applications, the configuration kit makes it simple to reuse code.

[Linux DVSDK v3.10 for DM355 Processors](#) - Download production DVSDK with no registration required. The DVSDK includes:

- Multimedia APIs and Codec Engine Frameworks
- Demonstration version of MontaVista Linux Pro
- Demos of Video/Imaging and Speech decode
- TI's JPEG and HD MPEG-4 SP codecs and G.711 codec*
 - JPEG and HD MPEG-4 evaluation codecs are included on the DVD that accompanies the DVEVM.
 - Production codecs are available for download with the DVSDK.
 - G.711 evaluation version of open-source G.711 is included in the DVSDK. Production license is not applicable.

[REQUEST: Production Audio Codecs](#) - Select "DM355S AUDIO Codec Bundle - Ittiam - PRODUCTION." Includes: AAC Enc/Dec; MP3 Enc/Dec; WMA Enc/Dec, AEC

What's Included

DM355 Digital Video Evaluation Module includes the following components:

- TMS320DM355 DaVinci™ processor-based development board
- IR remote
- Development board reference materials (gerber, schematics, BOM)
- 2 GB NAND Flash
- On-board Ethernet controller with application notes and schematics
- Video capture of NTSC or PAL signals via composite video or S-video input
- NTSC or PAL output via composite video output
- Other features such as microphone in, headphone out, line in and line out, UART, USB 2.0 HS, 2GB NAND Flash memory and JTAG for test
- TI eXpressDSP Linux-based DVSDK
- MontaVista Pro Demonstration Tools
- DM355 Getting Started Guide and Hardware Technical Reference

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- TI's JPEG and HD MPEG-4 SP production codecs and G.711 codec*
- Custom codecs that comply with TI's eXpressDSP Digital Media (xDM) algorithm standard
- Multimedia APIs and Codec Engine Frameworks
- Demonstration version of MontaVista Linux Pro 4.0
- Drivers for UART, I2C, SPI, EDMA, NAND, MMC, SD Card, USB Host/Gadget
- Video Processing Subsystem (Display, Capture, CCD Controller, Resizer, Previewer)
- OSS Audio (ASP), GPIO, PWM, WDTIM
- U-boot loader