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TI Home > Semiconductors > Digital Signal Processors > TMSDM365 Digital Video Evaluation Module

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TMSDM365 Digital Video Evaluation Module

(ACTIVE) TMDXEVM365

Description & Features

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Description

The TMX320DM365 Digital Video Evaluation Module (DVEVM) enables developers to start immediate evaluation of DaVinci™ processors and begin building digital video applications such as IP security cameras, digital photo frames, digital signage, video doorbells, and portable digital video products that have yet to be invented.

The Digital Video Evaluation Module (DVEVM) allows developers to write production-ready application code for the ARM and provides access to the HMJCP coprocessor core using DaVinci APIs to begin immediate application development for the TMS320DM365 digital media processors.

The Digital Video Software Production Bundle (DVSPB) MontaVista Linux companion product is recommended for production.

DM365 DVEVM includes the following components:

- TMX320DM365 DaVinci™ processor-based development board
- IR remote
- 2 GB NAND Flash
- Video capture of NTSC or PAL signals via component for HD and composite/S-Video for SD
- NTSC or PAL output via component for HD and composite/S-Video for SD
- 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
- Beta release: Linux Support Package Software Development Kit (LSP SDK) provided in kit, TI eXpressDSP™ Linux-based DVSDK* available for web download
- MontaVista Pro Demonstration Tools
- DM365 Getting Started Guide and Hardware Technical Reference



TMS320DM365 Evaluation Module



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.

The DVSDK* includes:

- TI's HD MPEG-4, H.264 as well as JPEG, and G.711 production codecs*
- 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 5.0
- Drivers for UART, I2C, SPI, EDMA, EMAC, NAND, MMC, SD Card, USB Host/Gadget, RTC, HPI, voice codec
- Video Processing Subsystem (Display, Capture, CCD Controller, Resizer, Previewer)
- OSS Audio (ASP), GPIO, PWM, WDTIM
- U-boot loader

* Note Beta version only includes the LSP SDK in the box. DVSDK demos etc. are available via download.

Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Current Version	Version Date	Host	OS
TMDXEVM365: TMSDM365 Digital Video Evaluation Module	\$595.00(USD) In Stock Typically Ships in 1 to 3 Business Days	Pricing may vary.	ACTIVE	v1.0	03 MAR 2009	PC	WindowsNT

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TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

Technical Documents

Third party documents (1)

*This is not an TI official document.

Title	Date	Type
Technical Documentation & Schematics for DM365 EVM - from Spectrum Digital Inc. ¹	24 Mar 2011	

More literature (1)

*This is not an TI official document.

Title	Date	Type
DaVinci Video Processors Wiki -- In-depth technical and "how-to" articles, FAQs, etc.	24 Mar 2011	Wiki*

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
TMS320DM3x DaVinci Video Processors		PDF	117	11 Apr 2010	577
DM365 Digital Media Processor FAQ		PDF	86	03 Mar 2009	228

Related Products

TI Devices (2)

Part Number	Name	Product Family
TMS320DM365	DaVinci Digital Media Processor	ARM9
TMS320DM368	DaVinci Digital Media Processor	ARM9 + Video Core

Support and Community

Wikis

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- [Embedded Software](#)
- [Development Tools](#)

Training & events

Name	Type	Available During
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
Designing with Ultra Low Power Segmented Displays Learn about designing Ultra-low Power Segmented Displays and MSP430	On-Line Training	On Demand

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