

**DM642 (720 Mhz, TVP Video Decoders)  
Evaluation Module + Power Supply +  
XDS510 USB Emulator + Code  
Composer Studio Platinum**



**Applications**

Personal Video Recorder  
Video security  
Broadcast video  
Video compression

**Replaces 702010, 702011**

**Warranty:** 1 year from date of purchase on EVM Card, power supply, and emulator. For Code Composer Studio refer to TI website.

**Part #:** 702012



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System Features	Software Features	What's Included
<ul style="list-style-type: none"><li>Provides a complete development system for the TMS320DM642 Digital Signal Processor from Texas Instruments</li></ul> <p><b>Hardware Features</b></p> <ul style="list-style-type: none"><li>720 MHz. TMS320DM642 Digital Media Processor</li><li>TI TVP Video Decoders</li><li>32Mb SDRAM</li><li>4 Mb linear Flash</li><li>2 video decoders</li><li>1 video encoder</li><li>On-Screen Display FPGA implementation</li><li>Dual RS-232 UARTs and line drivers</li></ul>	<ul style="list-style-type: none"><li>Code Composer Studio Platinum which includes 'C' Compiler, Assembler, Linker, Debugger, and DSP BIOS from Texas Instruments</li><li>Compatible with all JTAG emulators from Spectrum Digital and TI</li><li>Compatible with VANDEK Video Development Software from Prodys</li></ul>	<ul style="list-style-type: none"><li>DM642 (720 Mhz) EVM board</li><li>5V power supply</li><li>CD-ROM with demo code, manual and schematics</li><li>Parts kit for HD operation</li><li>Feet for standalone operation</li><li>XDS510 USB JTAG emulator</li><li>USB Cable for XDS510 USB</li><li>CD-ROM with Code Composer Studio Platinum from Texas Instruments</li></ul> <p><b>Do You Need ?</b></p> <ul style="list-style-type: none"><li>JTAG Expander</li></ul>

- TLV320AIC23 Stereo Codec with line, microphone, and headphone interfaces
- 10/100 Ethernet PHY
- 32Kb I2C EEPROM
- 8 programmable LEDs
- 2 S-VHS/composite video inputs
- S-VHS/composite/VGA video outputs

- VANDEK Video Development Software from Prodys

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