

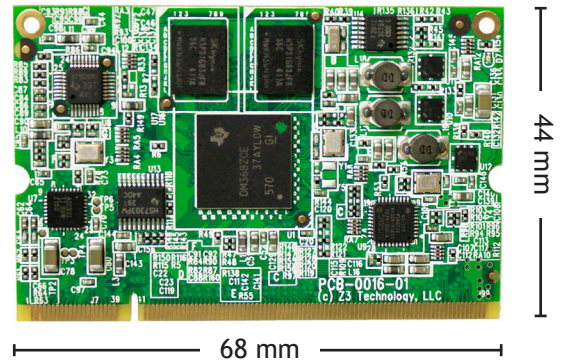


Z3
Technology®

Z3-DM368-MOD

OEM Production-Ready Module

Measuring only 68 x 44 mm, the Z3-DM368-MOD is one of the most compact production-ready video encoder/decoder system-on-modules on the market. The Z3-DM368-MOD is designed to facilitate the implementation of video and audio functions on media-embedded applications such as kiosks, machine vision and other industrial applications, information centers, digital signs, medical imaging, POS, etc. Its versatile design allows the system designer to focus on the end application, with confidence that the Z3-DM368-MOD will handle all audio and video media operations required with little or no additional engineering effort. Whether the end application requires encode or decode media from storage or streaming, the readily available, production-ready Z3-DM368-MOD will simplify the overall system design, reducing time to market and costs.



*Actual Size

BENEFITS

- > Compact design featuring accelerated video compression
- > Production-proven, fully integrated hardware and software audio/video system
- > Power efficient encode and decode in resolutions up to 1080p30
- > Cost effective design, optimized for manufacturing in volume
- > Encode or decode from storage or streaming
- > Ready to use, out-of-the-box commands for encoding, decoding and streaming

APPLICATIONS

- Digital Signage and Kiosks
- Machine Vision
- Medical Imaging
- Industrial Video Interface Displays
- Customized Applications*

***Contact Z3 Technology for Customized Product Options**

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www.Z3technology.com

Hardware

Pre-loaded, OEM Ready Video Application Executable Commands License Available with RPS Development Kits

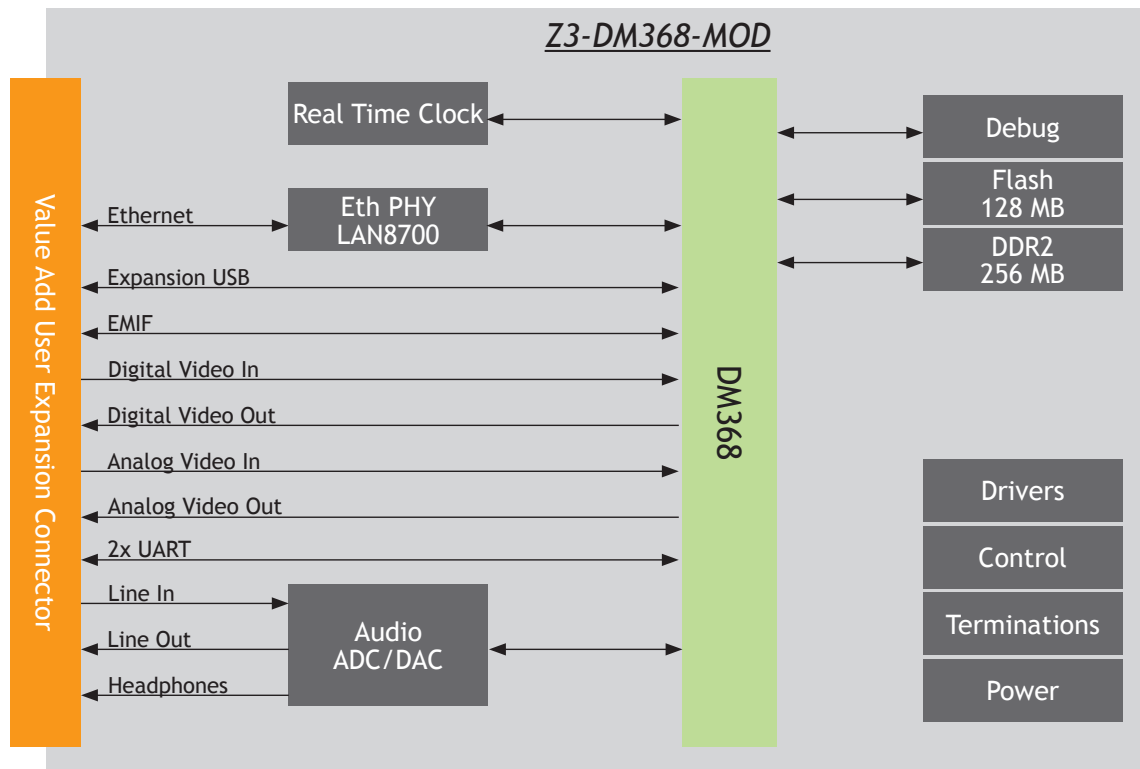
Module	Z3-DM368-MOD	
Processor	ARM9	
Video Codecs	H.264 and MPEG-2	
Connectors	200-pin expansion connector	
Interfaces	Analog & Digital Video I/O	EMIF
<i>(Available via Expansion Connectors or Z3 Application Boards)</i>	Analog & Digital Audio	I2C
	USB 2.0	SPI
	Ethernet	PRTCSS
	SD Card	Multi-Function I/O
	UART	
Audio Codecs	AAC or PCM	
Memory	DDR2: 256 MB Flash: 128 MB	

Software

Software Development	Texas Instruments® DVSDK, Z3 Technology software components for DVSDK, Z3 Applications
Operating System	Linux 2.x (root file-system, NAND boot, tool chain and flash programming tool), u-boot
Encoding Resolutions	H.264 video from QCIF to 1080p30
Output Formats	RTP and MPEG-2 TS
Decoding Resolutions	H.264 video from QCIF to 1080p30
Input Formats	RTP and MPEG-2 TS
Features	<ul style="list-style-type: none"> • Digital Video input interface for use with CMOS sensors or other devices • Digital Video output interface for use with LCD or other devices • Source code license available*

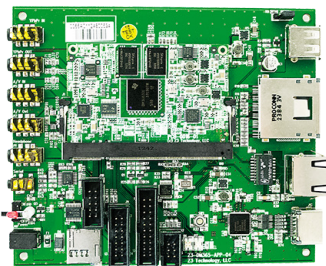
Specifications

Module Size	68 x 44 mm (2.68 x 1.73 in)
Power Supply	5V, Battery Powered or Power over USB 2.0
Typical Power Consumption	2W

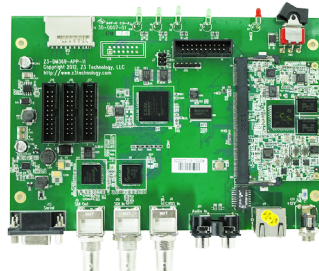


RPS Starter Kits

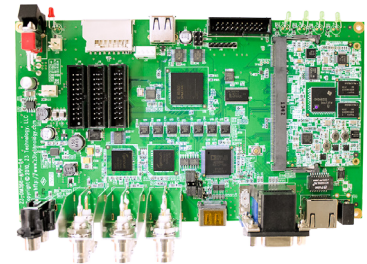
Each Starter Kit includes the Z3-DM368-MOD, an Application (I/O) Board, Pre-loaded Production Software and Documentation.



Z3-DM368-RPS



Z3-DM368-SDI-RPS



Z3-DM368-VI-RPS

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Z³ Technology is the market leader in providing production-ready embedded multimedia solutions and systems. From our founders to our world-class engineers to our sales and customer service team, we understand your requirements and speak your language. Our experience allows us to provide cost-effective solutions to meet your multimedia product requirements. With the assistance of our robust worldwide distribution and sales networks, we can provide a simple solution for your multimedia needs.