

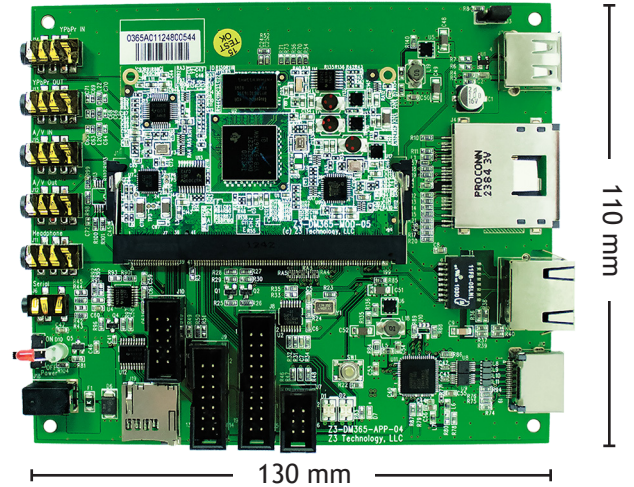


Z3
Technology®

Z3-DM365-RPS

Rapid Production Starter Kit

Measuring only 110 x 130 mm, the Z3-DM365-RPS is one of the most compact, low power, production-ready DM365-based video encoder/decoder system on the market. This cost-effective, cookie-cutter video solution is ready for manufacturing volumes. This solution supports full H.264 encode in all resolutions from QCIF to 720p30. Its versatile design allows the system designer to focus on the end application, with confidence that the Z3-DM365-RPS will handle all audio and video media operations required with little or no additional engineering effort. Whether the end application requires encode or decode of media from storage or streaming, the readily available, production-ready Z3-DM365-RPS will simplify the overall system design, reducing time to market and costs.



BENEFITS

- > Versatile encoding modes such as: low latency, low bitrate and high quality
- > Production-proven, fully integrated hardware and software audio/video system
- > Easily controlled through RS-232 or an HTTP-based GUI
- > Full A/V synchronization even after hours of recording
- > Ready to use, out-of-the-box commands for encoding, decoding and streaming

APPLICATIONS

- Digital Signage
- Medical Imaging
- Machine Vision
- Industrial Applications
- Security and Remote Monitoring
- Customized Applications*

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

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Hardware

Module	Z3-DM365-MOD-0x
Application Board	Z3-DM365-APP-0x
Processor	ARM9
Video Inputs	Component and Composite
Video Outputs	HDMI, Component and Composite
Video Codecs	H.264 and MPEG-2
Audio Interfaces	Analog Stereo
Audio Codecs	AAC, G.711 and PCM
Additional Interfaces	Ethernet, SD Card, USB 2.0, Headphone and Serial

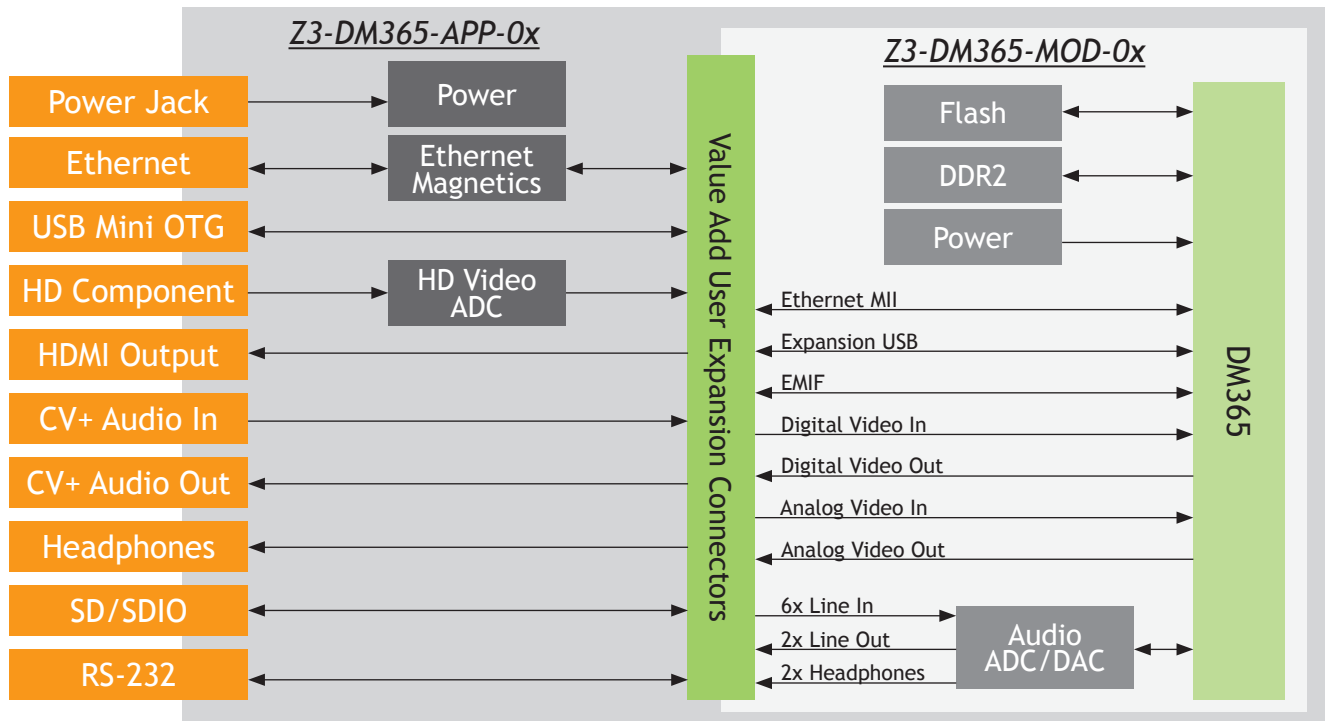
Software

Software Development	Texas Instruments® DVSDK, Z3 Technology software components for DVSDK, Z3 Applications
Operating System	Linux 2.6 (u-boot, root file-system, NAND boot, tool chain and flash programming tool)
Encoding Resolutions	H.264 video from QCIF to 720p30
Output Formats	RTP and MPEG-2 TS
Decoding Resolutions	H.264 video from QCIF to 720p30
Input Formats	RTP and MPEG-2 TS
Features	<ul style="list-style-type: none"> • Low latency mode • File-based GStreamer encoder/recorder-H.264 up to 720p30 recording to file • Fully controllable parameters: resolution, max bitrate, GOP size and on-the-fly bitrate control • Source code license available*

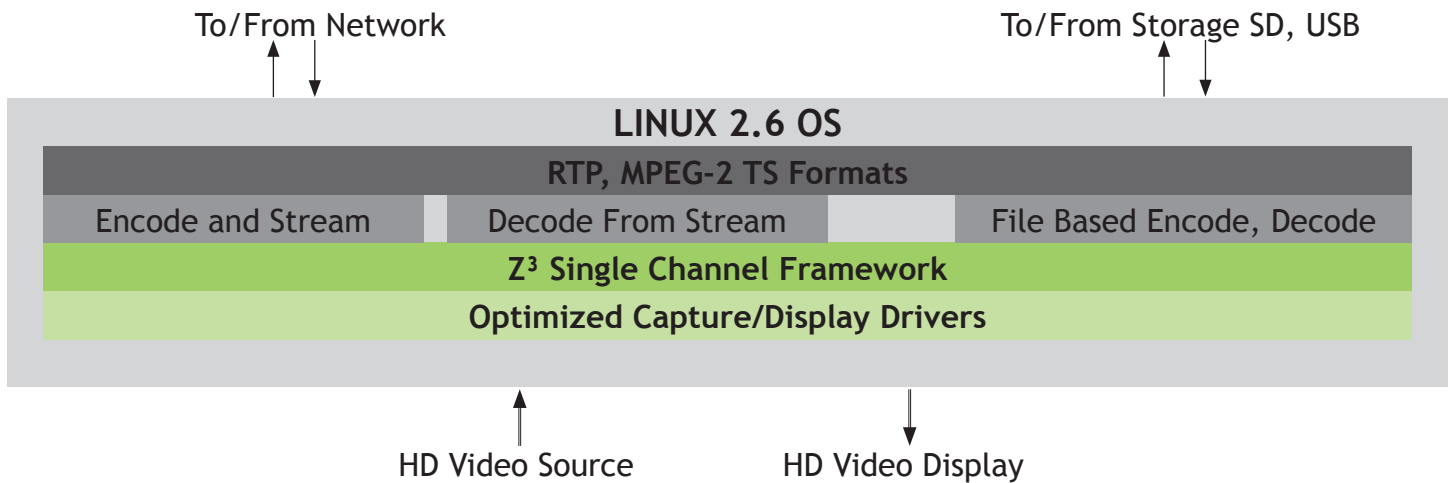
Specifications

Module Size	68 x 44 mm (2.68 x 1.73 in)
Application Board Size	130 x 110 mm (5.12 x 4.33 in)
Power Supply	5V
Power Consumption	1.5W

HW Block Diagram



SW Block Diagram



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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.