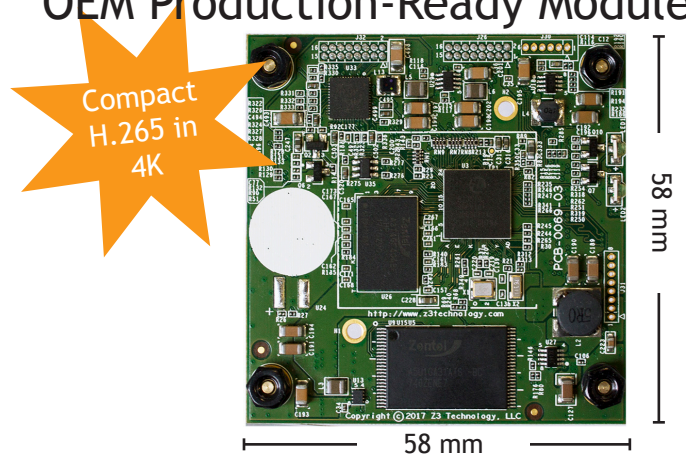




Z3
Technology®

Z3-HE2160-MOD

OEM Production-Ready Module



The Z3-HE2160-MOD is a compact OEM module which supports up to 2160p30 H.265 encode in streaming or storage mode. These combined features create an ideal platform for UAV solutions, low-latency and low bit-rate streaming and many other video streaming and recording applications. This powerful, production-ready MOD offers the latest in integrated processor technology combined with Z3 Technology's reputation for compact, production quality embedded modules and software solutions.

BENEFITS

- H.265 high-efficient encode in resolutions up to 2160p30
- Low profile board to board connector
- Versatile design geared to reduce time-to-market and overall costs
- Linux-based system, easy to customize if needed

APPLICATIONS

- UAV Solutions
- Medical Imaging
- Video Security and Surveillance
- Industrial Video
- Customized Applications*

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

Hardware

Module	Z3-HE2160-MOD	
Processor	Dual core ARM big-LITTLE A17/A7 at 1.25GHz	
Video Codecs	H.265, H.264, MJPEG	
Expansion Interface	Low profile board to board connectors	
Interfaces <i>(Available via Expansion Connectors or Z3 Application Boards)</i>	4x UART Micro SD Card Input LVDS Analog/Digital RS-232	GigE Line Level Audio input Analog & Digital JTAG Connector USB 2.0
Audio Codecs	HE-AAC, HEv2-AAC, AAC-LC	
Memory	128M NAND Flash, 1GB DDR3	

Software

Operating System	Embedded Linux (root file-system, NAND boot, tool chain and flash programming tool), u-boot
Encoding Resolutions	H.265 encode in resolutions up to 2160p30 H.264 video from QCIF to 2160p30
Output Formats	RTP, RTSP, MPEG-2 TS over UDP, RTMP, TSRTSP, MPTS and TS File
Features	<ul style="list-style-type: none"> • Low latency • Fully controllable parameters: resolution, max bitrate, GOP and on-the-fly bitrate control

Specifications

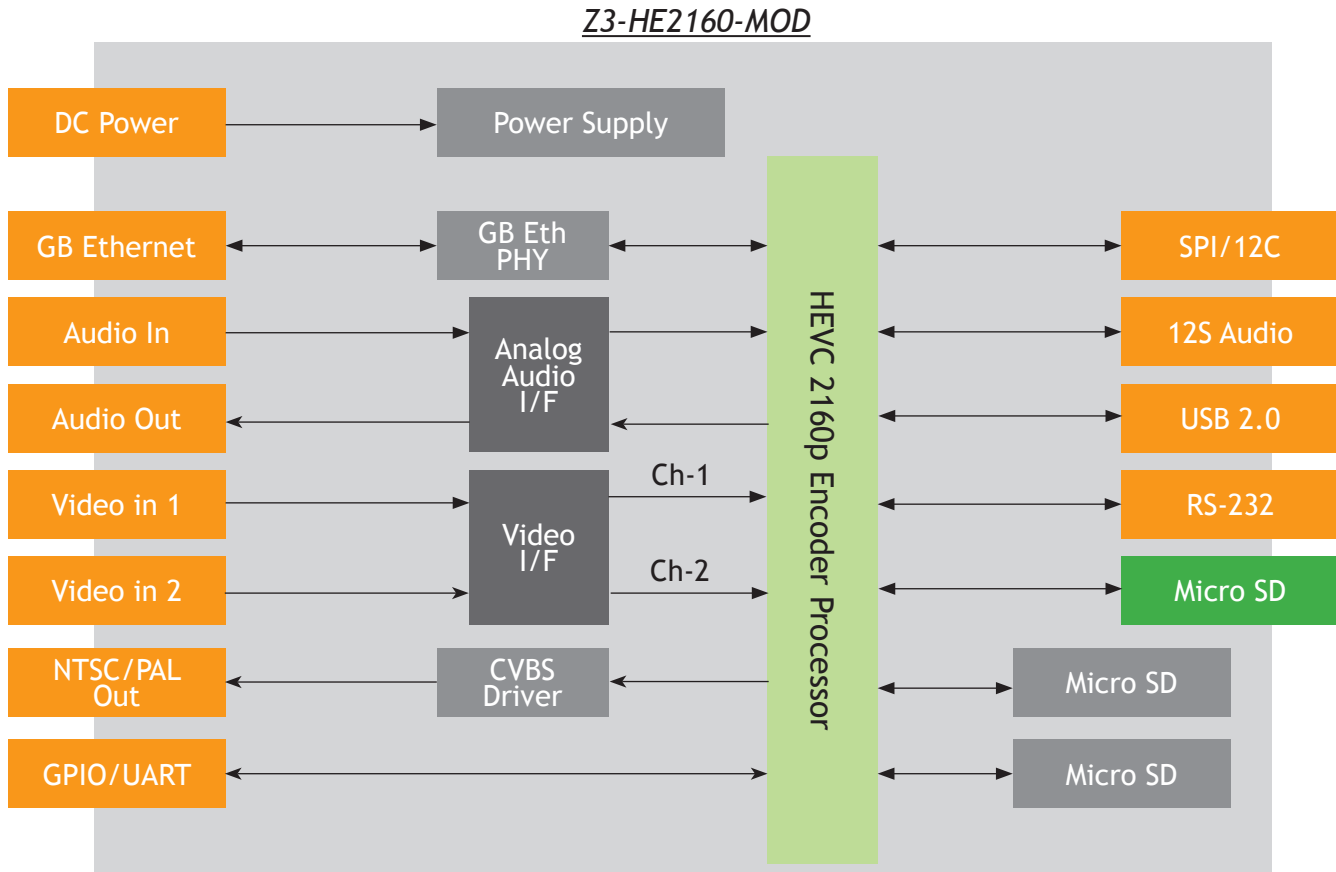
Module Size	58 x 58 x 8.4 mm
Power Supply	12V
Typical Power Consumption	4.5W
Temperature Rating	70C -with proper thermal management

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

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Starter Kits include the Z3-HE2160-MOD, an Application (I/O Board), Pre-loaded Production Software and Documentation.

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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.