

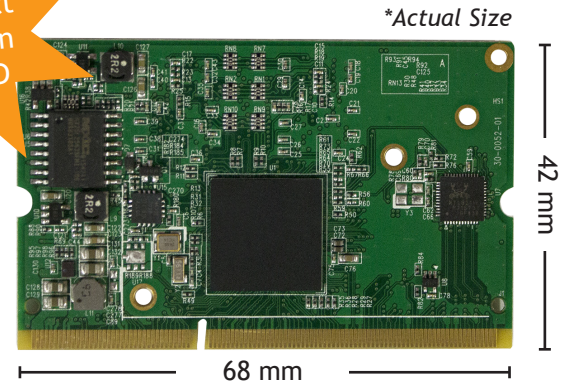


Z3
Technology®

Z3-HE1080-MOD

OEM Production-Ready Module

Compact
H.265 in
Full HD



The Z3-HE1080-MOD-0x is a compact OEM module which supports up to 1080p60 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 1080p60
- > SODIMM connector for ease of integration
- > 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
- Digital Signage
- Customized Applications*

Hardware

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

| | | |
|--|------------------------------|--------|
| Module | Z3-HE1080-MOD | |
| Processor | ARM A7 at 600 MHz | |
| Video Codecs | H.265, H.264 | |
| Expansion Interface | •200-pin expansion connector | |
| Interfaces <i>(Available via Expansion Connectors or Z3 Application Boards)</i> | Analog & Digital Video I/O | MMC/SD |
| | Analog & Digital Audio | UART |
| | USB 2.0 | I2C |
| | GigE | SPI |
| Audio Codecs | HE-AAC, HEV2-AAC, AAC-LC | |
| Memory | DDR3: 1 GB | |

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 1080p60 H.264 video from QCIF to 1080p at 60 fps |
| 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 • Source code license available* |

Specifications

| | |
|---------------------------|-----------------------------|
| Module Size | 68 x 42 mm (2.66 x 3.75 in) |
| Power Supply | 5V |
| Typical Power Consumption | 2W |

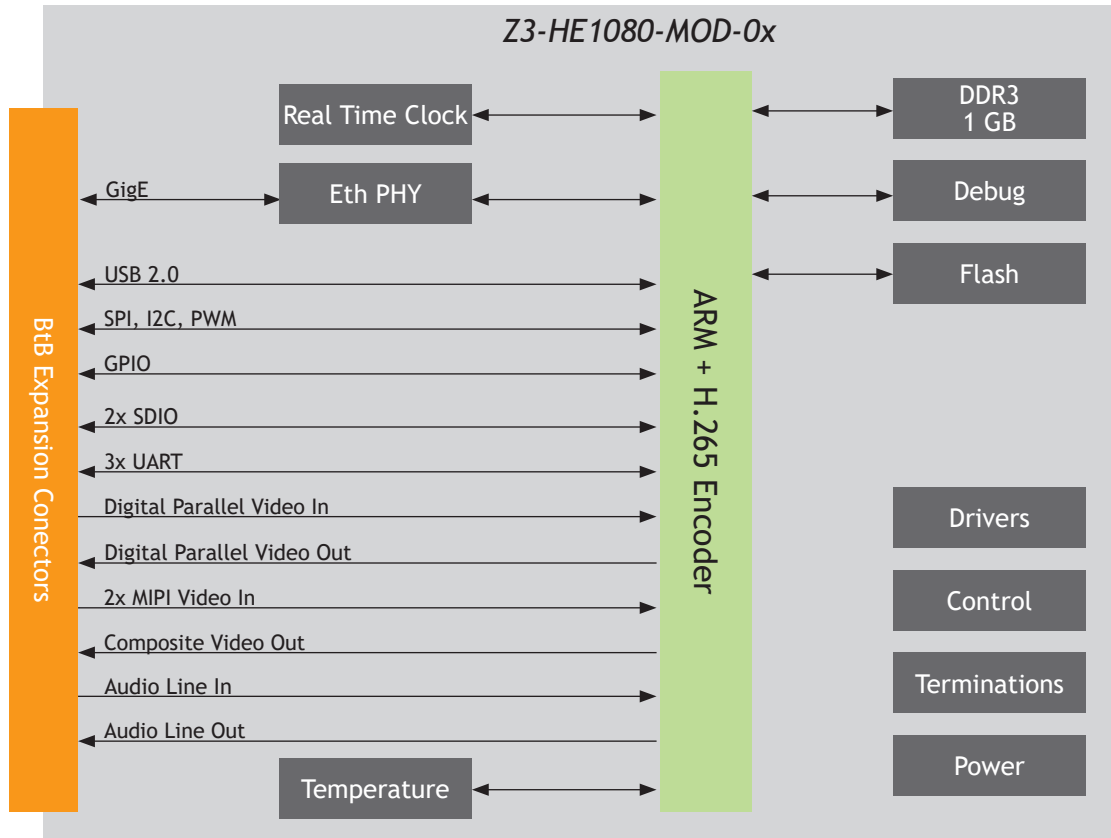
***Contact Z3 Technology for Customized Product Options**

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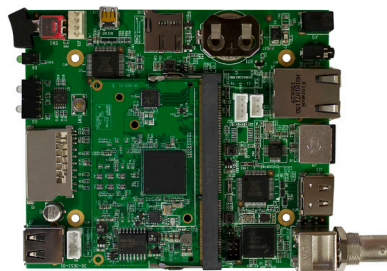
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Sony
Authorized
Integrator



RPS Starter Kits

Starter Kits include the Z3-HE1080-MOD, an Application (I/O Board), Pre-loaded Production Software and Documentation.



Z3-HE1080-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.