



Z³
Technology, LLC

Compact 1080p60 HD

Product Part Number Z3-DM8107-MOD

DON'T REINVENT VIDEO, Z3 SLASHES TIME TO MARKET!

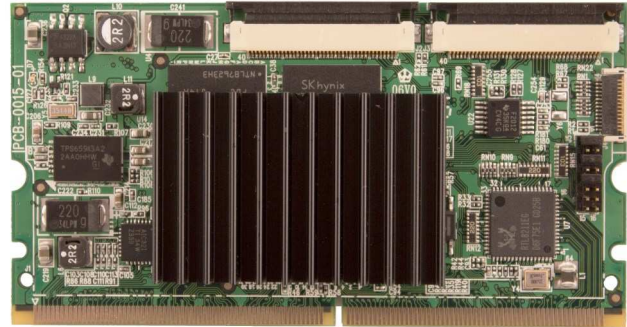
Applications

Digital Video Recorders (DVR)

Network Video Recorders (NVR)

Industrial Video Interface Displays

Medical Imaging



Z3-DM8107-MOD OEM-Ready Module Contains:

Features:

- Cookie-cutter, low cost video solution for embedded applications
- Fully integrated hardware and software audio/video system
- Ready to use, out of the box commands for encoding, decoding and streaming
- Cost effective design, optimized for manufacturing in volume
- Supports H.264 HP in resolutions from QCIF to 1080p60
- 6W power consumption and high performance

Hardware:

- Compact form factor (82mm x 43mm)
- 240-pin Mini-DIMM board to board connector
- Low power, high performance hardware accelerated video compression
- Up to 4 input, 4 output digital video ports
- Parallel and serial CMOS sensor ports
- Two multi-channel digital audio ports
- PCI Express, 2xSATA2, 2x Gigabit Ethernet
- USB 2.0, SD/MMC/SDIO, I2C, SPI, UART

Software:

- Pre-loaded, OEM-ready, Video Application Executable commands (License available with RPS Starter Kit)
- MPEG-2 TS/RTP Streaming H.264 encoder up to 1080p60
 - H.264 video from QCIF to 1080p at 60 fps; AAC or PCM audio
 - Fully controllable parameters: resolution, max bit rate, GOP, on-the-fly bitrate control,...
- MPEG-2 TS/RTP Streaming decoder
 - H.264 video from QCIF to 1080p at up to 60fps with audio
 - Flexible resizer allows full frame display of smaller resolutions
- Multichannel RDK framework available
- Boot Loader, Linux 2.6.37, root-file system NAND boot, tool chain, flash programming tool

Contact Z³ Technology for customized product options

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