



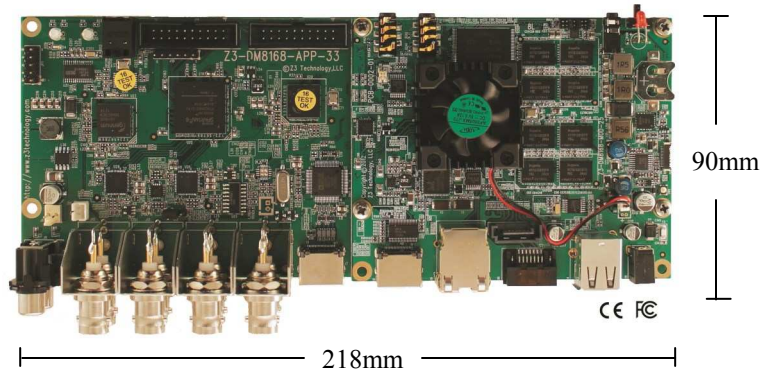
**Z<sup>3</sup>**  
Technology, LLC

## Video Infrastructure 1080p60 System

Product Part Number Z3-DM8169-VI-RPS

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

Applications
Broadcast Video Encoding and Decoding
Real Time Transcoding at 1080p60
Security and Surveillance
Video Conferencing
Industrial Video Processing



### Z3-DM8169-VI-RPS OEM-Ready System Contains:

#### Benefits:

- Fully integrated hardware and software audio/video system
- Ready to use, out of the box commands for encoding, decoding and streaming
- Cost effective modular design, ready for manufacturing volumes
- Supports H.264 multichannel in all video resolutions from QCIF to 1080p60
- Versatile encoding modes such as low latency, high quality, low bit rate, etc.
- High quality digital video I/O including HDMI
- SDI output can be genlocked to SDI or Component input

#### Hardware:

- One **Z3-DM8169-MOD-2x** OEM-ready video SOM
- 88mm x 108mm
- 1 GB DDR3, Flash, SATA2, GigE, USB 2.0
- HDMI, YPbPr and Composite Video Out
- Multiple digital video and audio I/O ports
- One **Z3-DM8168-APP-3x** application board
  - 90mm x 218mm
  - 3G SDI Input
  - ASI Input/Output
  - YPbPr Input
  - HDMI Input
  - 2x analog stereo audio

#### Software:

- Pre-loaded encoder and decoder applications
  - **Streaming H.264 encoder up to 1080p60**
    - H.264 video up to 1080p60 fps with PCM audio
    - RTP and MPEG-2 TS streaming output
    - TrueView Codec support
  - **Streaming decoder**
    - H.264 video from QCIF to 1080p60
    - Arbitrary resolution scaler
    - Scale small resolutions to full screen
    - Scale large resolutions to window size
    - RTP and MPEG-2 TS input support
  - **File-based Transcoder** (optional\*)
    - MPEG-2 to H.264
    - AAC and LPCM audio support
- OpenMAX-IL framework
- Multichannel RDK framework available for additional license
- Source code license available
- Linux 2.6.3X, u-boot, root file-system, NAND boot, tool chain, flash programming scripts
- Includes FPGA firmware

\* Contact sales@z3technology.com for details.

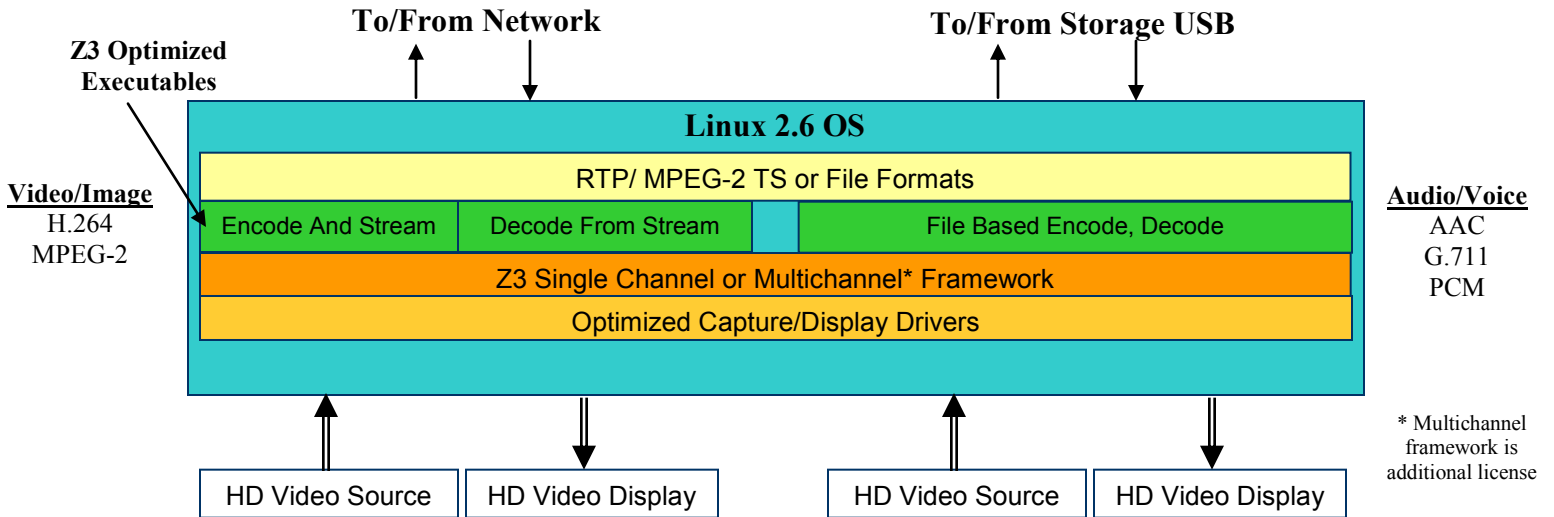
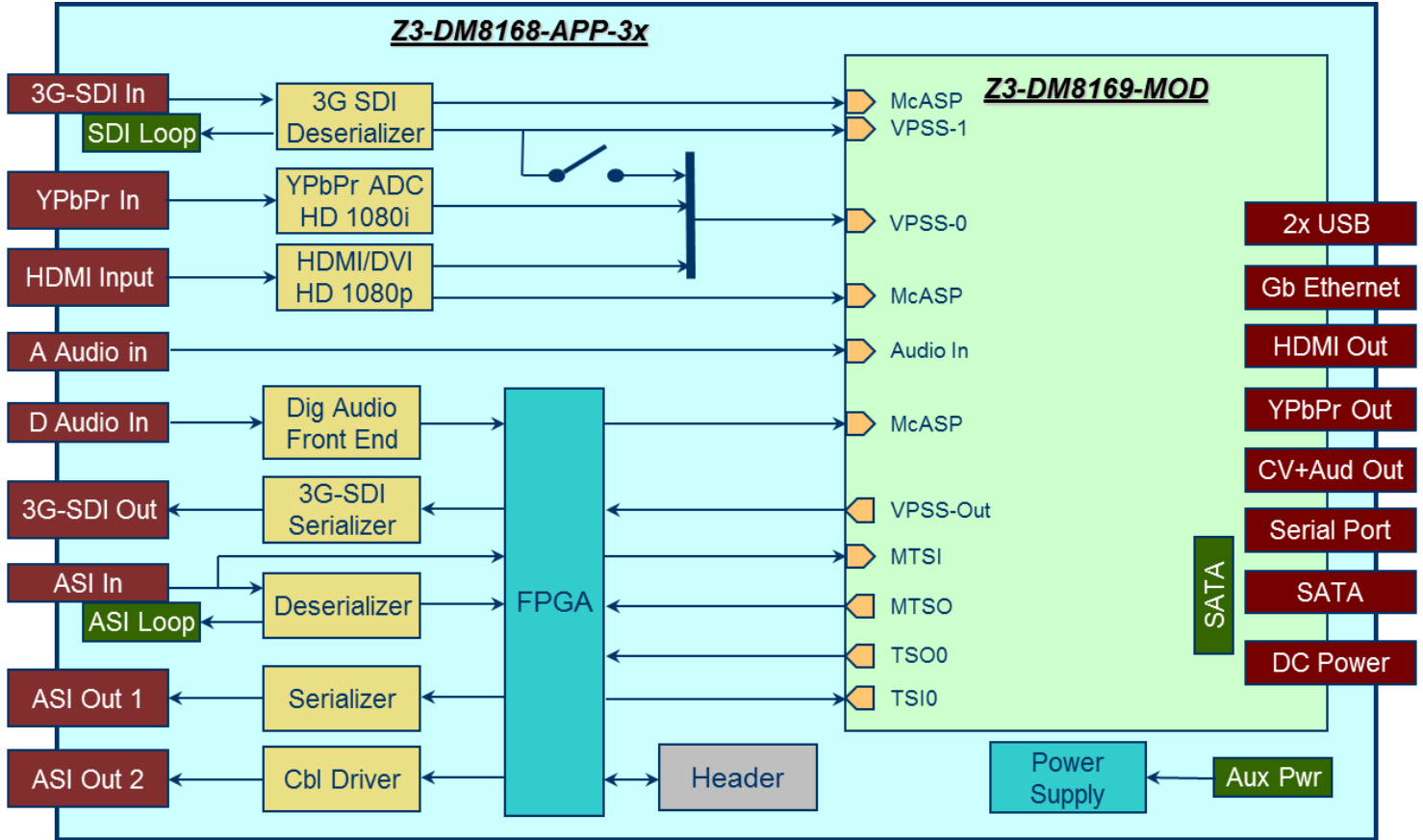
Contact Z<sup>3</sup> Technology for customized product options

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# Z3-DM8169-VI-RPS HW/SW Block Diagrams



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