

### Hi3536C H.265 CODEC Processor

# **Brief Data Sheet**

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### Hi3536C H.265 CODEC Processor

### **Key Specifications**

#### **Processor Core**

- ARM Cortex A7 dual-core
- Video Encoding/Decoding Protocols
- H.265/H.264/JPEG encoding and decoding

#### Video Encoding/Decoding

- 4x 1080p@30 fps H.265/H.264 decoding
- 8x 720p@30 fps H.265/H.264 decoding
- 16x D1@30 fps H.265/H.264 decoding
- 1x 1080p@ 30 fps H.265/H.264 encoding

#### Video and Graphics Processing

• Efficiently optimize and improve the image quality in various scenes by integrating HiSilicon 's most advanced image processing engine.

#### Audio Encoding/Decoding

- ADPCM, G.711, and G.726 hardware audio encoding
- Software audio encoding and decoding complying with multiple protocols

#### **Security Engine**

• AES, DES, and 3DES algorithms implemented by hardware

#### Video Interfaces

 Support HDMI/VGA/CVBS output with high resolution up to 3840 x 2160

#### **Audio Interfaces**

• Support I<sup>2</sup>S/PCM interfaces

#### **Ethernet Ports**

• Two gigabit Ethernet ports

#### **Peripheral Interfaces**

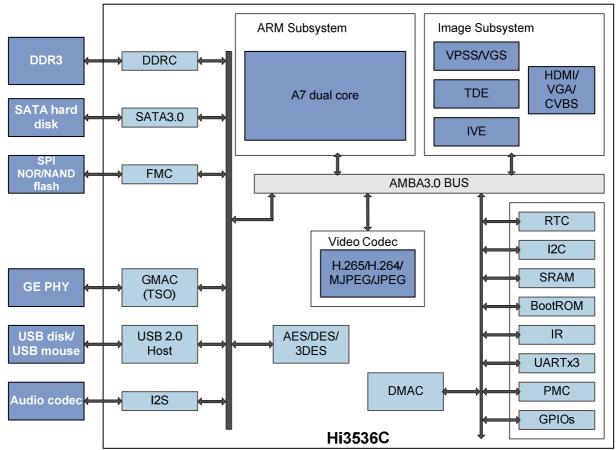
• Support SATA 3.0 /USB 2.0 interfaces

#### **Memory Interfaces**

- DDR3 SDRAM
- Support SPI NOR/NAND flash
- Embedded 4 KB BOOTROM and 16 KB SRAM

#### **RTC with an Independent Power Supply**

• Independent battery for supplying power to the RTC



## **Functional Block Diagram**