



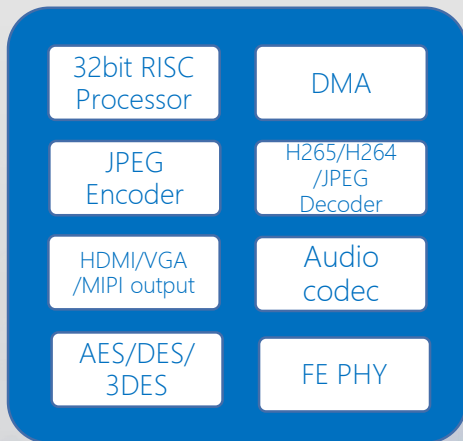
Application

Professional NVR

Features

- Support multiple channels HD NVR
- Support high performance H.265/H.264 video codec.
- Support HDMI/VGA video display.
- Support SATA/USB/Ethernet peripherals.

Block Diagram



Specifications

| | |
|--------------|--|
| CPU | Dual Core CPU Support up to 1GHz |
| Video codec | Encoder: 1x1080p@30fps JPEG Decoder: 4x1080p@30fps H265/H264, 1x1080p@30fps JPEG |
| Audio | 1 Codec inside and 1 bidirectional I2S |
| Video Output | 1xHDMI 1.4b output, support up to 4096x2160@30fps 1xVGA output, support up to 1080p@60fps 1xMIPI output up to 1080p@30fps and 1 CVBS |
| Memory | 16bit 1866Mbps DDR3, up to 1GB (MC6810E 256MB DDR3 inside) 1xSPI NOR/NAND Flash |
| Network | 1 internal FE PHY |
| Peripherals | 1xSATA3, 2xUSB2 1xSDIO2, 3xUART, 1xI2C, 1xIR, GPIO |
| Package | TFBGA302, 13mmx13mm |
| Others | Working temperature: -20°C~70°C Typical power consumption: 1.5W Power supply: Analog: 3.3v, IO: 3.3v/1.8v, Digital: 0.9v |

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