

应用领域 | Application

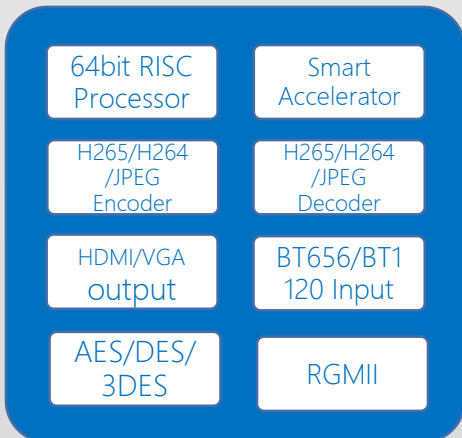
- 专业模拟视频录像机 | Professional DVR



产品特点 | Features

- 支持多路高清和超高清 (4K/5M/4M/1080P) DVR
Support multiple channels HD DVR
- 支持高性能H265&H264视频编解码
Support high performance H.265/H.264 video codec.
- 支持HDMI/VGA 高清显示输出接口
Support HDMI/VGA video display.
- 支持PCIE/SATA/USB3/USB2/Ethernet丰富接口
Support PCIE/SATA/USB3/USB2/Ethernet peripherals.

主要模块 | Block Diagram



产品规格 | Specifications

CPU	Six Core CPU Support up to 1.3GHz
Video codec	Encoder: 11x1080p@30fps H265/H264, 1080p@120fps JPEG Decoder: 8x1080p@30fps H265/H264, 1080p@120fps JPEG
NPU	Smart Accelerator
Video Input	8 8bit BT656 port or 4 16bit BT1120 input up to 16x1080p@30fps 1 BT1120 cascade input up to 4096x2160@30fps
Video Output	2xHDMI 2.1 output, support up to 4096x2160@60fps 1xVGA output, support up to 2560x1600@60fps 1xCVBS output 1 BT1120 cascade output up to 4096x2160@30fps
Memory	64bit 2133Mbps/DDR3, 2400Mbps/DDR4, up to 8GB 1x8bit EMMC5.1 port, up to HS400 1xSPI NOR/NAND Flash
Network	2 external Gigabit ports
Peripherals	3xSATA3, 1x2lane PCIE3, 2xUSB3, 2xUSB2 2xI2S(5 wire), 3xUART, 2xI2C, 1xIR, GPIO
Package	EHS-TFBGA813, 22.4mmx31.2mm
Others	Working temperature: -20°C~70°C Typical power consumption: 6W Power supply: Analog: 1.8v, IO: 3.3v/1.8v, Digital: CPU-1.0v, CORE-0.9v

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