



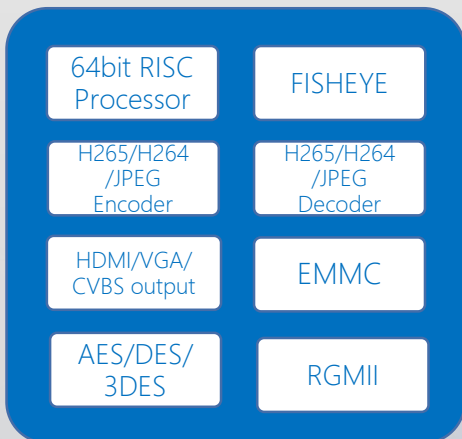
Application

Professional NVR

Features

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

Block Diagram



Specifications

CPU	Six Core CPU Support up to 1.5GHz
Video codec	Encoder: 4x1080p@30fps H265/H264, 1080p@120fps JPEG Decoder: 24x1080p@30fps H265/H264, 1080p@120fps JPEG
NPU	Smart Accelerator
Video Input	1 BT1120 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 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, 2xIIC, 1xIr, GPIO
Package	EHS-TFBGA813, 22.4mmx31.2mm
Others	Working temperature: -20°C~70°C Typical power consumption: 9W Power supply: Analog: 1.8v, IO: 3.3v/1.8v, Digital: CPU-1.0v, CORE-0.9v

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