



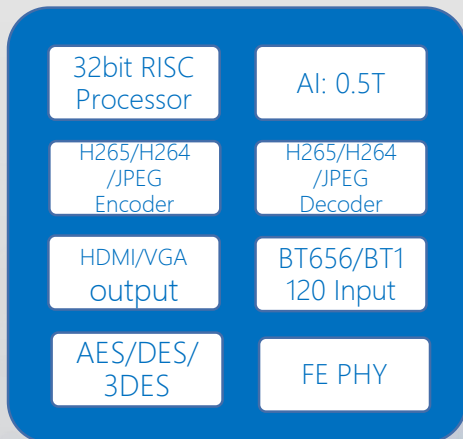
| Application

- 专业模拟录像机 | Professional DVR

| Features

- 支持多路高清 (1080p/720p) 和多路标清 (D1/960H) DVR
Support multiple channels HD and SD 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SATA/USB/Ethernet丰富接口
Support SATA/USB/Ethernet peripherals.

| Block Diagram



| Specifications

CPU	Dual Core CPU Support up to 1.5GHz
Video codec	Encoder: 4x1080p@30fps H265/H264, 2x1080p@30fps JPEG Decoder: 4x1080p@30fps H265/H264, 2x1080p@30fps JPEG
NPU	NN 0.5TOPs for AI Application
Video Output	1xHDMI 1.4b output, support up to 4096x2160@30fps 1xVGA output, support up to 1080p@60fps 1xCVBS output
Memory	32bit 2133Mbps/DDR3, 2400Mbps/DDR4, up to 3GB 1xSPI NOR/NAND Flash
Network	1 internal FE PHY and 1 external Gigabit PHY
Peripherals	2xSATA3, 2xUSB2 3xI2S, 3xUART, 1x I2C, 1xIR, GPIO
Package	TFBGA441, 19mmx19mm
Others	Working temperature: -20°C~70°C Typical power consumption: 2.8W Power supply: Analog: 3.3v, IO: 3.3v/1.8v, Digital: CPU-1.0v, CORE-0.9v

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