

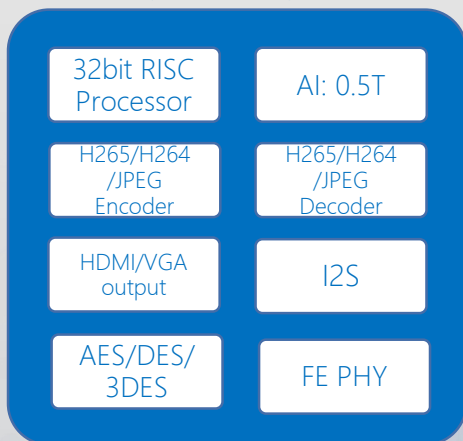


## Application | Professional NVR

### 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 1.5GHz
Video codec	Encoder: 2x1080p@30fps H265/H264, 2x1080p@30fps JPEG Decoder: 8x1080p@25fps H265/H264, 2x1080p@30fps JPEG
NPU	0.5TOPs NN 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 or 2 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: 2.6W Power supply: Analog: 3.3v, IO: 3.3v/1.8v, Digital: CPU-1.0v, CORE-0.9v

