

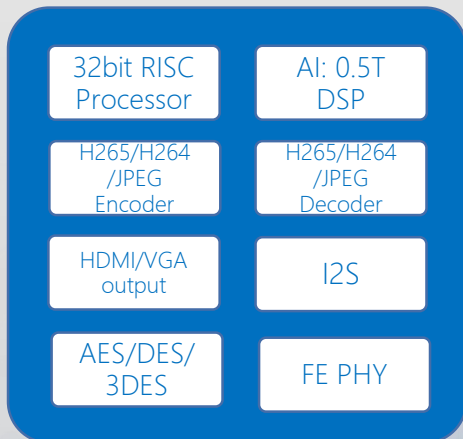


## Application | Professional NVR

### Features

- **1F -F 1 i 0+ i**  
Support multiple channels HD NVR
- **A+/. A+/-**  
Support high performance H.265/H.264 video codec.
- **A F B @**  
Support HDMI/VGA video display.
- **L: M NL na kg m**  
Support SATA/USB/Ethernet peripherals.

### Block Diagram



### Specifications

|              |   |
|--------------|---|
| CPU          | Dual Core CPU<br>Support up to 1.3GHz   |
| Video codec  | Encoder: 1x1080p@30fps H265/H264, 1x1080p@30fps JPEG<br>Decoder: 6x1080p@25fps H265/H264, 1x1080p@30fps JPEG                                  |
| NPU          | 0.5TOPs DSP for AI Application  |
| Video Output | 1xHDMI 1.4b output, support up to 4096x2160@30fps<br>1xVGA output, support up to 1080p@60fps<br>1xCVBS output                                 |
| Memory       | 16bit 1866Mbps DDR3, up to 1GB<br>1xSPI NOR/NAND Flash  |
| Network      | 1 internal FE PHY or 1 external Gigabit PHY   |
| Peripherals  | 1xSATA3, 2xUSB2<br>3xI2S, 3xUART, 1xI2C, 1xIR, GPIO   |
| Package      | TFBGA341, 14mmx14mm   |
| Others       | Working temperature: -20°C~70°C<br>Typical power consumption: 1.8W<br>Power supply: Analog: 3.3v, IO: 3.3v/1.8v, Digital: CPU-1.0v, CORE-0.9v |

| Shanghai

| Shenzhen

| Chengdu

| Hangzhou

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