

应用领域 | Application

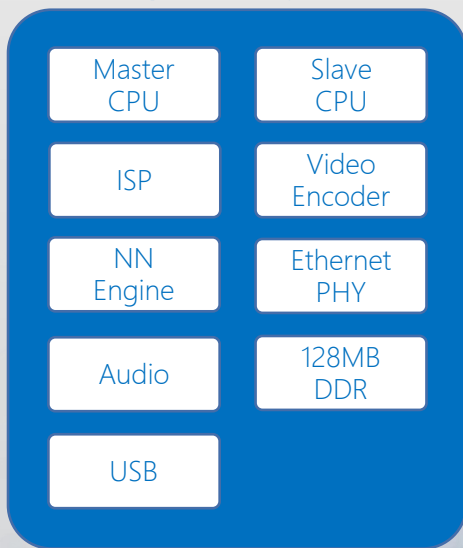
- 智能家居摄像头 | Smart Home Security Camera



产品特点 | Features

- 基于深度学习的轻智能引擎
Deep learning based smart engine
- 内置128MB内存，最大支持4百万像素
Internal 128MB DDR, support up to 4MP
- 支持双麦克风输入
Support dual microphone inputs
- 与FH8652管脚兼容
Pin to pin compatible to FH8652

主要模块 | Block Diagram



产品规格 | Specifications

CPU	Master CPU: up to 996MHz Slave CPU: up to 498MHz
AI Engine	0.5TOPS computation power Human/Car detection Face detection/recognition (optional)
CIS	Support up to 4MP inputs 2-lane MIPI, RGB bayer 2-frame WDR, local tone mapping
ISP	2DNR, 3DNR AE/AWB/AF H.264/H.265 video encoder
Video Encoder	Support up to 4MP Support multi-streams: videox2+JPEGx1 JPEG: up to 4MP@5fps
Audio	Dual ADC & single DAC Support 8K~48KHz sampling rate Support echo cancellation
Ethernet	Internal 10M/100M Ethernet PHY 3xI2C, 3xSPI, 3xUART, 2xSDIO
Peripherals	1xUSB2.0 2xSADC, 12xPWM
Memory	Internal 128MB DDR3
Package	QFN88, 9mmx9mm

