

## 应用领域 | Application

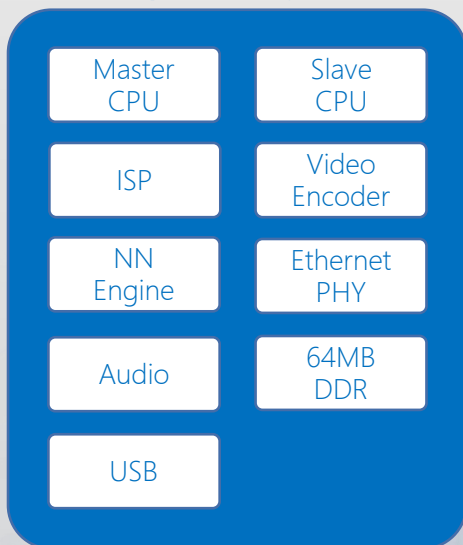
- 智能家居摄像头 | Smart Home Security Camera



## 产品特点 | Features

- 基于深度学习的轻智能引擎  
Deep learning based smart engine
- 内置64MB内存, 最大支持3百万像素  
Internal 64MB DDR, support up to 3MP
- 支持双麦克风输入  
Support dual microphone inputs
- 与FH8656管脚兼容  
Pin to pin compatible to FH8656

## 主要模块 | Block Diagram



## 产品规格 | Specifications

CPU	Master CPU: up to 792MHz
	Slave CPU: up to 396MHz
AI Engine	0.5TOPS computation power
	Human/Car detection Face detection/recognition (optional)
CIS	Support up to 3MP inputs
	2-lane MIPI, RGB bayer
ISP	2-frame WDR, local tone mapping
	2DNR, 3DNR AE/AWB/AF
Video Encoder	H.264/H.265 video encoder
	Support up to 3MP Support multi-streams: videox2+JPEGx1 JPEG: up to 3MP@5fps
Audio	Dual ADC & single DAC
	Support 8K~48KHz sampling rate Support echo cancellation
Ethernet	Internal 10M/100M Ethernet PHY
Peripherals	3xI2C, 3xSPI, 3xUART, 2xSDIO
	1xUSB2.0 2xSADC, 12xPWM
Memory	Internal 64MB DDR2
Package	QFN88, 9mmx9mm

