

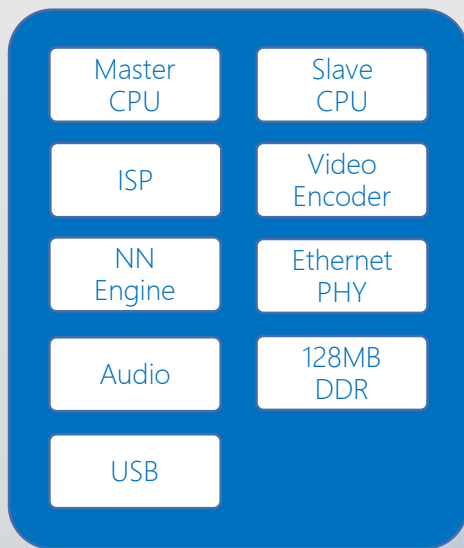


| Application  
| Smart Home Security Camera

| Features

- Deep learning based smart engine
- Internal 128MB DDR, support up to 4MP
- Support dual microphone inputs
- Pin to pin compatible to FH8652

| Block Diagram



| 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
ISP	2-frame WDR, local tone mapping 2DNR, 3DNR AE/AWB/AF
Video Encoder	H.264/H.265 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
Peripherals	3xI2C, 3xSPI, 3xUART, 2xSDIO 1xUSB2.0 2xSADC, 12xPWM
Memory	Internal 128MB DDR3
Package	QFN88, 9mmx9mm

| Shanghai

| Shenzhen

| Chengdu

| Hangzhou

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