

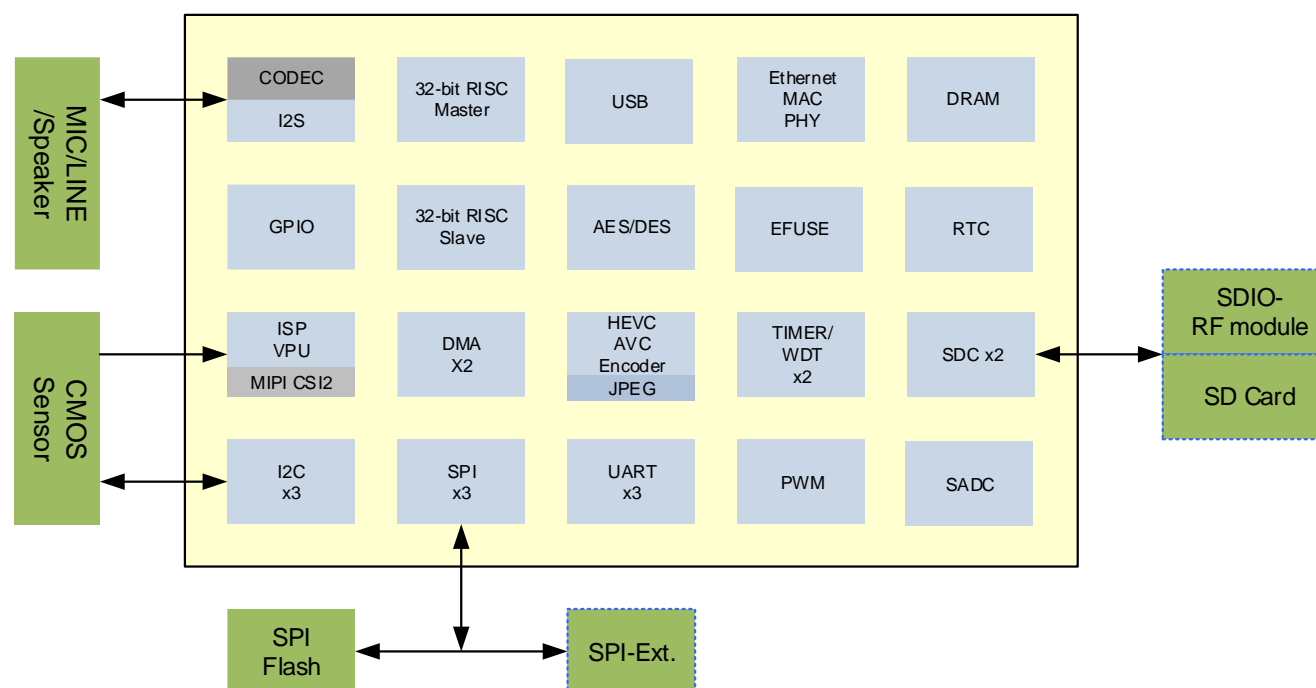
FH8856V200: New Generation 5M High Performance Camera SoC

FH8856V200 provides a SOC solution for the HD IP Camera with High quality on image and high performance on video encoding. Multi-streams are encoded by H.264/H.265 format, as well as superior Image Signal Processing (ISP). In addition, some visual applications such as intelligent human detection are available. Meanwhile, the high integration of Dual Processors with abundant peripherals makes FH8856V200 a cost-effective and easy to develop IPC solution.

Features:

CPU	Master CPU: RISC CPU@696MHz Slave CPU: RISC CPU@464MHz	Ethernet	Integrate 10/100M Ethernet PHY
CIS Input	Support 5M (3072x1728) input 2-lane MIPI Input, RGB Bayer format	Audio	Support one channel ADC and one channel DAC ADC/DAC sampling rate: 8K to 48K Support echo cancellation
ISP Function	Support line-by-line 2-Frame WDR	External Interface	3*I2C ; 3*SPI
	High Performance Local Tone Mapping		1*USB 2.0
	High Performance Noise Reduction: 3DNR, 2DNR AWB/AE/AF		GPIO
High Quality Image Enhancement Functions	2*SADC		
Video Encoder	H.264/H.265: 3072x1728 / 2560x1440 Support multiple streams: H.264/H.265 x 2 + JPEG x 1 JPEG Encoder: 5M (3072x1728) @5fps		12*PWM
Security	Support AES/DES Support EFUSE Memory inside		3*UART
		2*SDIO	
		DDR	Integrate 16-bit DDR3L, 1Gbit
		Package	QFN88 (9mm x 9mm)

Diagram



Typical Solution:

