

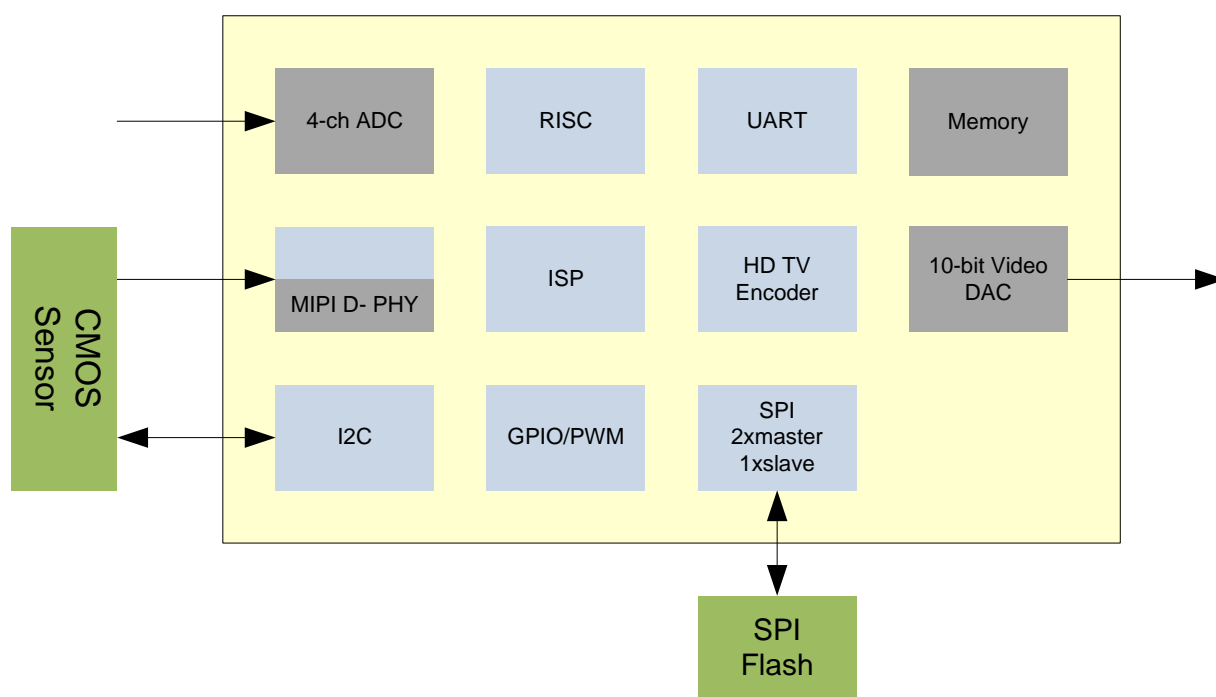
## FH8550M:

FH8550M is a High Performance ISP for CIS ( CMOS Image Sensor ) and targeted on professional surveillance CCTV camera with internal HDcctv Tx. FH8550M supports 1M/1.3M/2M 4-lane CIS MIPI interface. Its analog video outputs support standard CVBS/960H/ 1280H, and 720P/1080P HDcctv standard. FH8550M has high performance 3D De-noise, 2-frame line-by-line WDR and Dynamic Pixel Correction modules. It also has TOSD/GOSD, PM, MD and AF statistics modules along with SADC and PWM interfaces.



FH8550M			
CIS Input	Support 2M /1.3M/1.0M CMOS sensor	Video Ouput	Analog Output: CVBS ( 1280H )
	RGB; 4-lane MIPI		HDcctv : 1080P, 720P
ISP Function	High performance CFA	Resolution	CVBS 800TVL above
	High performance 3D de-noise		HDcctv : 1200TVL above (1080P)
	2D and Y/C de-noise	External Interface	I2C
	Auto AE/AWB /AF		SPI
	LSC		UART
	DPC		GPIO
PM & MD	Others	SADC	
2-frame WDR		PWM	
OSD Function	Customized TOSD/GOSD		Working Temperature : -20°C - 70°C
			Typical Power Consumption: 500mW 1080P30
			Operating Voltage: 1.2V/1.8V/3.3V
			Package : QFN68 (8*8)

## Diagram



## Typical Reference Design:

