

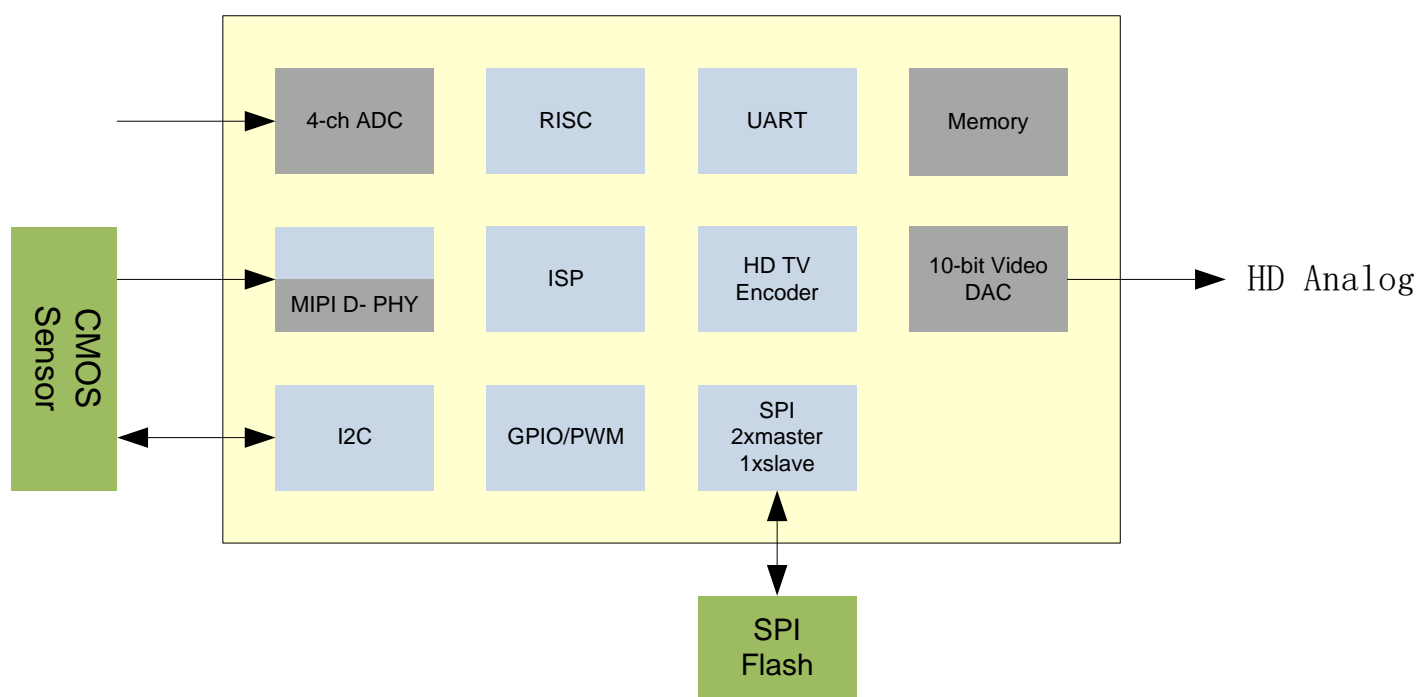
FH8556: High Performance 4K ISP for CCTV

FH8556 is a High Performance ISP for CIS (CMOS Image Sensor) and targeted on professional surveillance CCTV camera with internal HDcctv Tx. FH8550M supports 4K 4-lane CIS MIPI interface. Its analog video outputs support standard CVBS/960H/1280H, and 720P/1080P/3M/4M/8M HDcctv standard. FH8556 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.

规格:

FH8556			
CIS Input	Support 8M CMOS sensor	Video Ouput	Analog Output: CVBS (1280H)
	RGB; 4-lane MIPI		HDcctv : 8M@15fps, 4M@25/30fps
ISP Function	High performance CFA	Resolution	CVBS: 800TVL above
	High performance 3D de-noise		HDcctv : 2000TVL above (8M)
	2D and Y/C de-noise	External Interface	I2C
	Auto AE/AWB /AF		SPI
	LSC		UART
	DPC		GPIO
PM & MD	SADC		
2-frame line-by-line WDR	PWM		
OSD Function	Customized TOSD/GOSD	Others	Working Temperature : -20°C ~ 70°C
			Typical Power Consumption: 1000mW
			Operating Voltage: 1.2V/1.8V/3.3V
			Package : QFN68 (8*8)

Diagram:



Typical Reference Design:

