

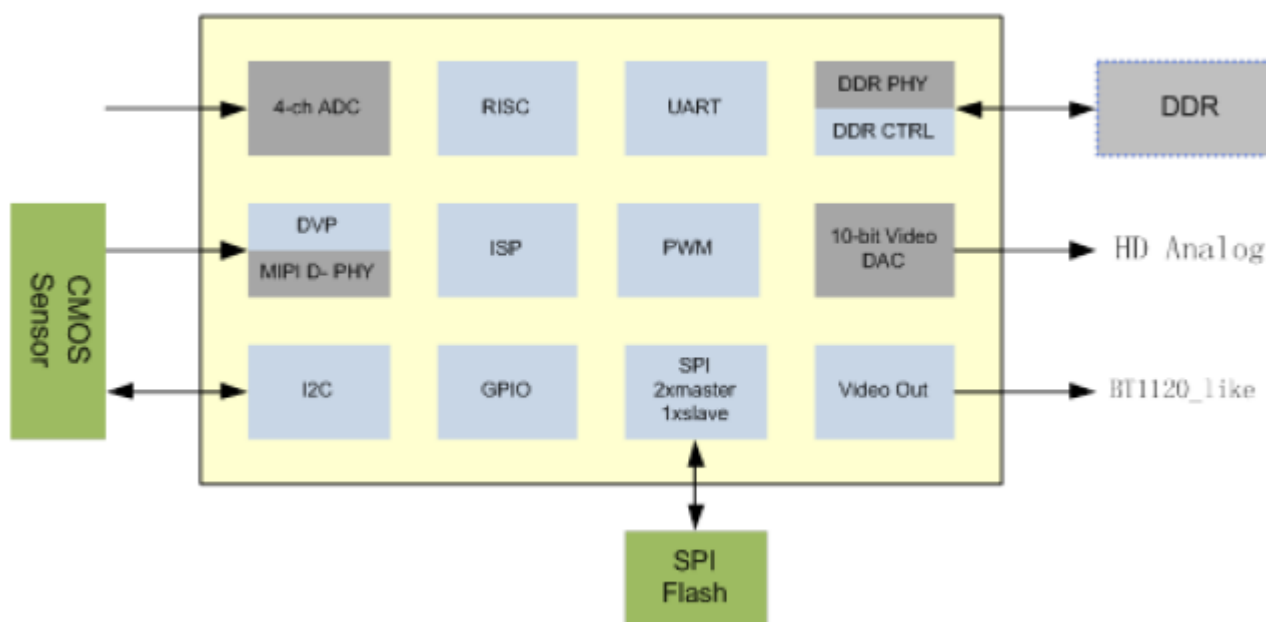
FH8553:

FH8553 is a High Performance ISP for CIS (CMOS Image Sensor) and targeted on professional surveillance CCTV camera with internal HD Analog Tx. FH8553 supports 1M/1.3M/2M/3M 4-lane MIPI & 12-bit DVP interface CIS input. Its analog video outputs support standard CVBS/960H/ 1280H, 720P/1080P/3M HD Analog standard, BT1120/BT656 digital interface. FH8553 has high performance 3D De-noise, True 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:

FH8553			
CIS Input	Support 3M/2M/1.3M/ 1.0M CMOS sensor	Video Ouptut	Analog Output: CVBS (1280H)
	RGB; 12-bit DVP & 4-lane MIPI		HD Analog : 1080P, 720P Digital Output : BT1120 /BT656
ISP Function	High performance CFA	Resolution	CVBS : 800TVL above HD Analog : 1200TVL above (1080P)
	High performance 3D de-noise		I2C
	2D and Y/C de-noise	SPI	
	Auto AE/AWB /AF	UART	
	LSC	GPIO	
	DPC	SADC	
PM & MD	PWM	Others	Working Temperature -20 ~ 70
2-frame WDR			Typical Power Consumption: 500mW (1080P30)
			Power Supply: Analog (3.3V);IO(3.3V or 1.8V);Digital(1.2V)
OSD Function	Customized TOSD/GOSD		Package BGA121 (7*7)

Diagram:



Typical Reference Design:

