

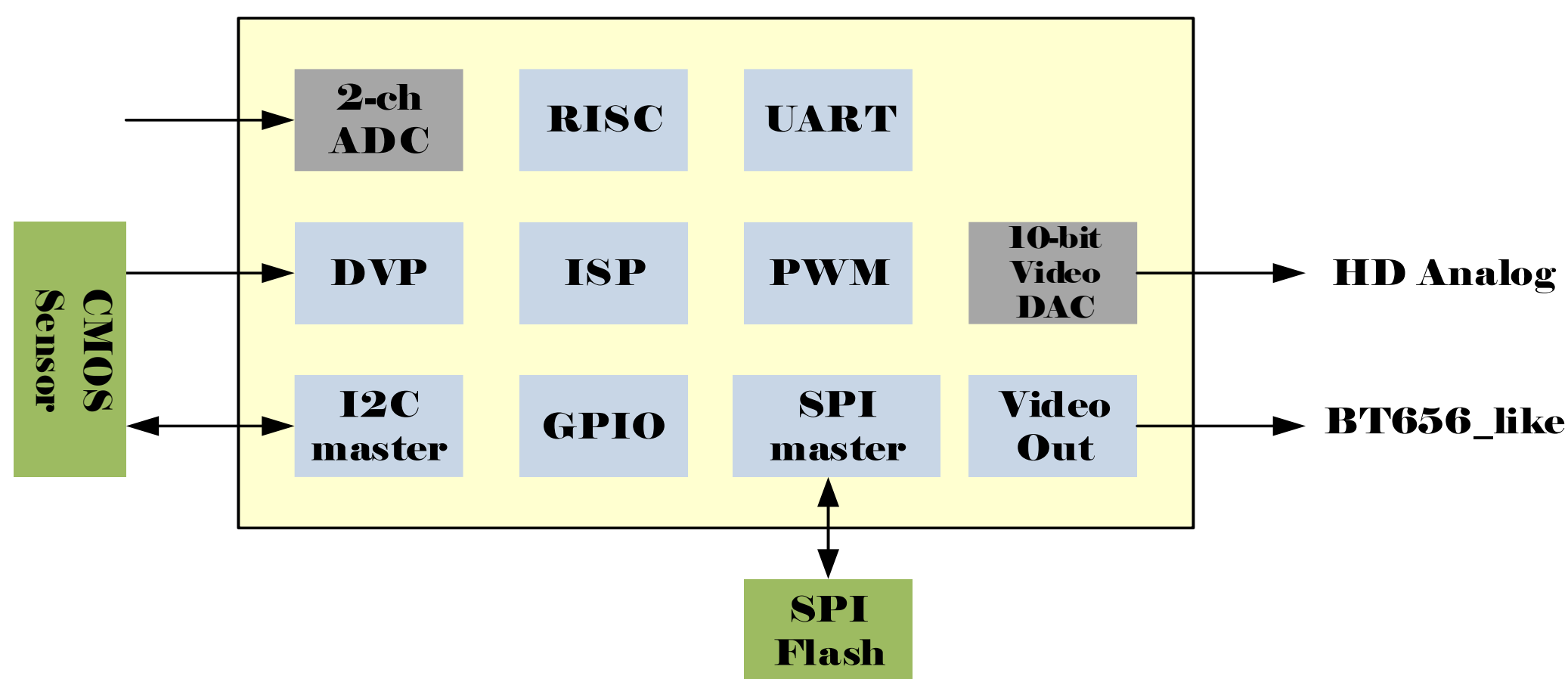
## FH8310: Good Lowlight performance & cost-effective 2M ISP for Automotive

FH8310 is a High Performance ISP for CIS ( CMOS Image Sensor ) and targeted on professional Automotive camera with internal Analog HD Tx. FH8310 supports 1M/1.3M/2M Pixel CIS BAYER & RGBIR 4X4 pattern input. Its analog video outputs support standard CVBS/960H/ 1280H, 720P/1080P/2M Analog HD standard. The high performance 3D De-noise module achieves better low light performance. It also has a STE module which can support Lens Distortion Correction. FH8310 has completed AEC-Q100 Grade=2 qualifications.

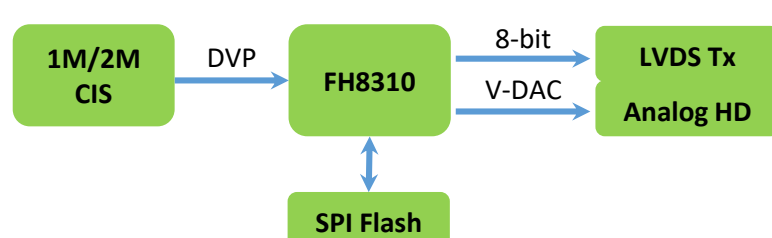
### 规格:

FH8310			
CIS Input	Support 2M/1.3M/ 1.0M CMOS sensor	Video Output	Analog Output: CVBS ( 1280H )
	RGB / RGBIR 4X4; Data Width 10bit; Clock edge, Frame polarity & Line polarity are configurable		Analog HD 2M, 1080P, 720P
ISP Function	High performance CFA	Resolution	CVBS: 800TVL above
	High performance 3D de-noise		HD Analog 1200TVL above (1080P)
	2D and Y/C de-noise	External Interface	I2C
	Auto AE/AWB		SPI
	STE (LDC)		UART
	LSC		GPIO
DPC	SADC		
PM & MD	PWM		
OSD Function	Customized TOSD/GOSD	Others	Working Temperature : -40°C ~ 105°C
			Typical Power Consumption: 305mW ( 720P30 )
			Power Supply: Analog (3.3V);IO(3.3V or 1.8V);Digital(1.1V)
			Package : QFN56 (7*7)

### Diagram:



### Typical Reference Design:



Contact Us:  
 ShangHai Fullhan Microelectronics Co., Ltd.  
 ADD: 6F, No. 717, Yishan Road,  
 Xuhui District, ShangHai, P.R.C. 200233  
 TEL: +86 21 6112 1558  
 FAX: +86 21 6406 6786  
 Email: Sales@fullhan.com  
 Website: www.fullhan.com

