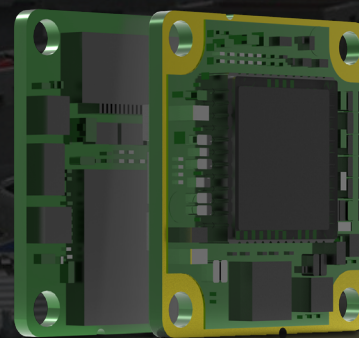# ▲ DH-MV-AB5131MH080E

- Specialized in development of embedded system
- Easy installation, Support dead pixel correction
- Support multiple image data formats
- Compact design with complete function
- Software trigger/Hardware trigger/Free run mode
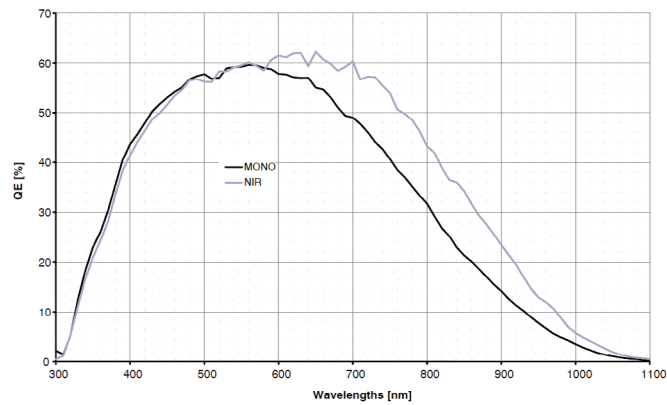- Provide code of driver for HCON interface

Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate（fps）	Bit depth	Interface	Mono/Color	Pixel size（μm）	Sensor size
DH-MV-AB5131MH080E	Python1300	CMOS	Global	1280x1024	60	10	HCON	Mono	4.8x4.8	1/2"

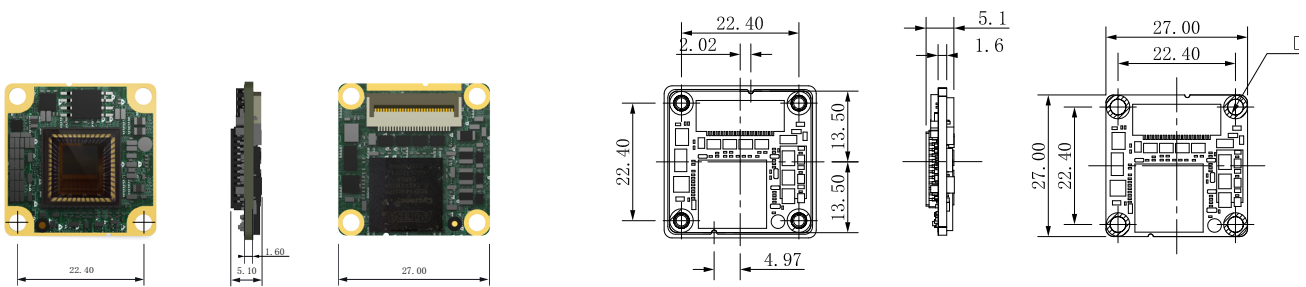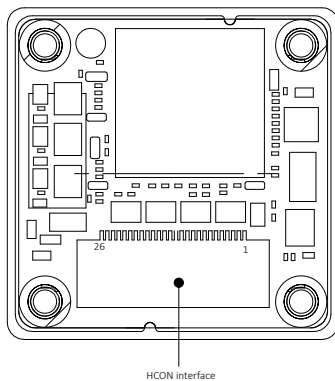|	
Model	DH-MV-AB5131MH080E
Effective Pixels	1.3MP
SNR	>38dB
Dynamic Range	60dB
GPIO	1 differential input; 1 I2C interface; 2 outputs which can be decoded from LVDS serial data
Image Format	Mono8/10Packed
ROI	Support
Gain	0dB~18dB
Gamma	Range from 0 to 4,support LUT
Exposure Time	16μs~1s
Sync mode	Software trigger/Hardware trigger/Free run mode
User Setting	Support one sets of user-defined configurations
Dimensions	27mmx27mm
Weight	15g
Power Supply	DC5V power supply through Hirose connector
Power Consumption	5V≈1.8W
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

AB5131MH080E

Quantum Efficiency Curve for Mono Sensor

Dimensions

IO Interface Instruction

HCON interface

Pin	Signal	Description
24,25,26	Power	DC 5V input
1,4,7,10,13, 16,19,23	GND	Power ground
22,21,20	I2C_ID,I2C_SDA, I2C_SCL	I2C Signal interface
18,17	TRIG-, TRIG+	Differential trigger signal input
12,11	XCLK-, XCLK+	Differential clock signal
15,14	Lane3-, Lane3+	Differential data channel Lane3
9,8	Lane2-, Lane2+	Differential data channel Lane2
6,5	Lane1-, Lane1+	Differential data channel Lane1
3,2	Lane0-, Lane0+	Differential data channel Lane0