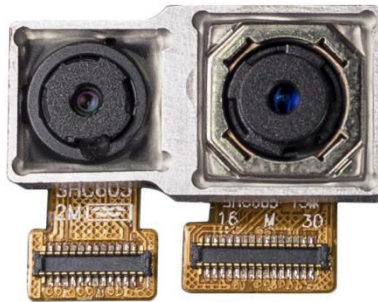


ST-SHC605

Supertek 13MP+ 2MP MIPI Camera Module



SPECIFICATION

Image Sensor	1/3.1" CMOS S5K3L8 + 1/5" CMOS GC2385
Pixel Size	1.12um x 1.12um / 1.12um x 1.12um
Resolution	13 MP 4280H x 3120V/ 5MP 1616H x 1224V
FOV	79.8 degree/ 80.2 degree
Lens	EFL: 3.519mm, F/NO: 2.2mm / EFL: 2.08mm, F/NO: 2.4mm
Focus type	Auto focus
Shutter type	Electronic Rolling shutter
Audio Input	Not support
Interface	MIPI
Object Distance	10cm to infinity
Module Size	19.9mm x 15.3 mm

WORKING CONDITION

Operating Temperature	-20° ~ +70°
Storage Temperature	-40° ~ +85°

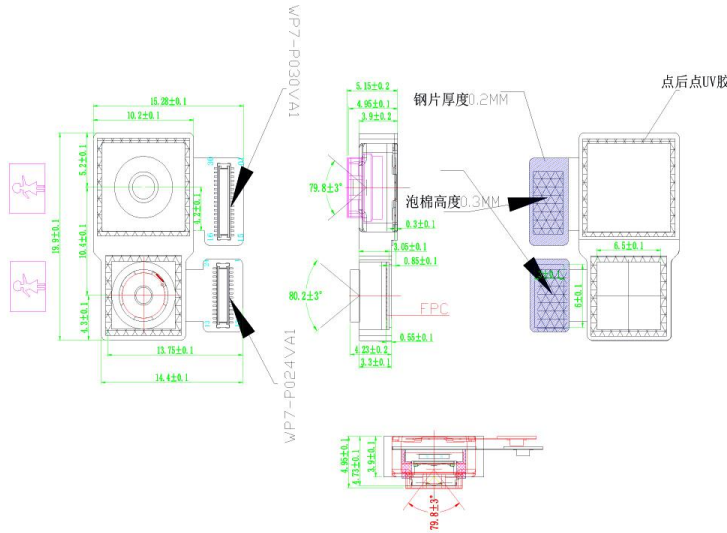
PRODUCT DIMENSION

ROHS

*此产品要求通过ROHS认证

MAIN CAMERA SLAVE CAMERA

30PIN DESCRIPTION		24PIN DESCRIPTION	
PIN NO.	SIGNAL	PIN NO.	SIGNAL
1	CLK	1	CLK
2	DGND	2	DGND
3	DATAL_N	3	MING
4	DATAL_P	4	MING
5	DATA2_N	4	MING
6	DATA2_P	5	MINI
7	CLK_N	6	MPI
8	CLK_P	7	NCN
9	DGND	8	NC
10	NC	8	NC
11	NC(PWDR)	9	DGND
12	RST	10	PSYNC
13	DGND	11	SBA
14	SDA	12	SCL
15	SCLK	13	AVDD
16	AGND	14	AVDD
17	AVDD	14	AVDD
18	DGND	15	RRES
19	PSYNC	16	DGND
20	AF_CAD	17	NC
21	AF_VDD	17	NC
22	DGND	18	NC
23	DATAL_P	19	NC
24	DATAL_N	20	NC
25	DATA3_P	21	DGND
26	DATAL_N	22	DGND
27	DGND	23	DGND
28	DOVDD	23	DGND
29	DVDD	23	DGND
30	DVDD	24	NC



Top view Side view

平台: MTK6797

备注:
 1. ★ Is Critical Dimensions;
 2. DIYER IC:40976)
 3. IIC address:
 Sensor: 0x20(0), 0x21(00);
 DIYER IC: 0x1C;
 Flash: 10-0000
 4. Power Supply:
 AVDD: 2.8V;
 DVDD: 1.2V;
 DVDD: 1.8V;
 AF_VDD: 2.8V
 5. Lens: F16120*6(无壳)
 6. VCM: 50000000 (S08)

备注:
 1. ★ Is Critical Dimensions;
 2. IIC address:
 Sensor: 0x6E(0)/0x6F(00);
 3. Power Supply:
 AVDD: 2.7V-3.0V;
 DVDD: 1.1V-1.26V;
 DVDD: 1.1V-1.26V;
 4. Lens: M2588-201(无壳)

OPTICAL SPECIFICATION	OPTICAL SPECIFICATION
CHIP TYPE: S5K3L8XXM3(1/3.06") COB 加蓝玻璃	CHIP TYPE: GC2385(1/5")_csp 镜头加IR
SENSOR THICKNESS: 1.12um	SENSOR THICKNESS: 1.65um
ARRAY SIZE: 4224X3192(13M)	ARRAY SIZE: 1616X1224(2M)
TV DISTORTION: <1.5%	TV DISTORTION: <1.5%
LENS COMPOSITION: 5P	LENS COMPOSITION: 3P
DIAGONAL FOV: 79.8°	DIAGONAL FOV: 80.2°
FNO: 2.2±5%	FNO: 2.4±5%
EFL: 3.519mm	EFL: 2.08mm
MAX IMAGE CIRCLE: ? 6.1mm	MAX IMAGE CIRCLE: ? 3.9mm
RELATIVE ILLUMINATION: >37%	RELATIVE ILLUMINATION: >29.3%
Focusing Range: 0.1m --- ∞	Focusing Range: 0.2m---1.2m(AT=0.45m)
Resolution: 中心≥1600LW/PH; 四周≥1200LW/PH	Resolution: 中心≥700LW/PH; 四周≥550LW/PH

Bottom view

3rd ANGLE	TITLE: SHC605
DATE: 2018-08-08	MODEL: 1
DESIGNER: 1000000000	PART NO.:
DRAWN: 1000000000	CHECKED: 1000000000
APPROVED: 1000000000	APPROVED: 1000000000
REV.:	