

# ST41-13B10AF-MIPI

## Supertek 13MP MIPI Camera Module

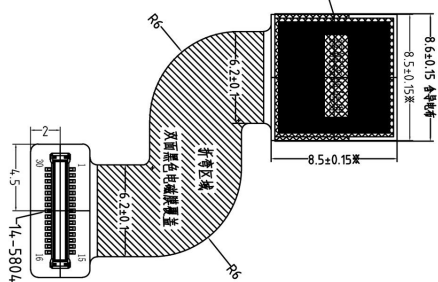
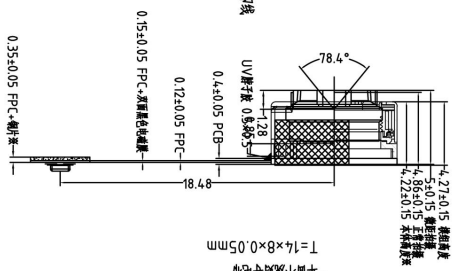
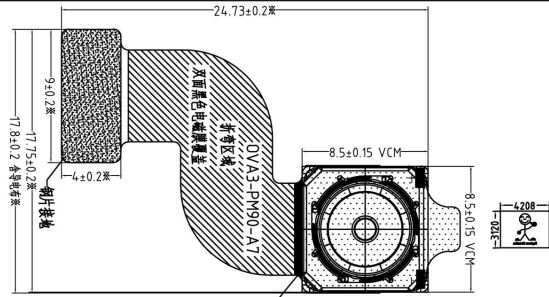


### SPECIFICATION

Image Sensor	1/3.1" OV13B10-GA5A
Pixel Size	1.12 $\mu$ m(H) x 1.12 $\mu$ m(V)
Resolution	13Megapixel 4208H x 3120V
Interface	30pin MIPI
FOV	Default 78.4 degree
Lens	EFL: 3.57mm F/NO: 2.0mm
Focus type	Auto focus
Objective Distance	10cm to infinity
Shutter type	Rolling Shutter
Operating Temperature	-20° ~ +70°
Module Size	24.73*17.8*5mm

# PRODUCT DIMENSION

HSF



NO	PIN NAME	NO	PIN NAME
1	GND	16	NC
2	MDN3	17	GND
3	MDP3	18	A-F-VDD 2.8V
4	GND	19	SDA
5	MDN0	20	SCL
6	MDP0	21	NC
7	GND	22	PWIDN
8	MDN2	23	RESET
9	MDP2	24	GND
10	GND	25	MDP1
11	AVDD 2.8V	26	MDN1
12	GND	27	MCP
13	DOVDD 1.8V	28	MGN
14	ID (GND)	29	GND
15	DVDD 1.2V	30	MCLK

- 注:
1. 标尺单位为毫米;
  2. 平台: 高通SDM450;
  3. 模组做OTP烧录, MID=0X23, 烧录AWB, LSC;
  4. 模组做PDAF烧录;
  5. 分辨率标准: 中心(2000) / 四周(1500)。
  6. 存储器: P24C32E

主要参数	镜头名称	J5X-P1-11
镜头类型 (Lens Size)	1/3.1 5P	
视场角 (View Angle)	78.4°±3°	
焦距 (FH)	3.57±0.1	
光圈 (F/NO)	2.0±5%	
畸变 (TV Distortion)	MIP阻光透镜	<1.5%
最大成像圈 (Max Image Circle)	底壳名称 (Holder)	φ6.17
相对照度 (Relative Illumination)	≥34.4% (Y=2.934)	
景深 (Focusing Range)	10cm ∞	
分辨率 (Resolution)	5m	
IR滤光器 (IR Filter)	0.21 蓝玻璃	
FPCC使用胶层材料	FPCC使用胶层材料	
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MIP阻光透镜	100Ω±10%Ω	
底壳名称 (Holder)	NC	
镜头名称	镜头名称 (Chip Type)	OV13B10-GA5A
镜头类型 (Lens Size)	镜头类型 (Chip Size)	4208×3120
镜头焦距 (Focal Length)	镜头焦距 (Focal Length)	LYB2865-H38
镜头光圈 (Aperture)	镜头光圈 (Aperture)	100M(MAX)
镜头畸变 (Distortion)	镜头畸变 (Distortion)	24.0±10%
镜头分辨率 (Resolution)	镜头分辨率 (Resolution)	FP5510A
镜头最大成像圈 (Max Image Circle)	镜头最大成像圈 (Max Image Circle)	φ6C

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