Product Acknowledgment		
Customer's Model Name:	F3M	
Union Image Model Name:	ZY-XSF3M2640B-V1.0	
Code:		
Sample Quantity:	3PCS	
Date:	2021-10-13	

(Content)

1.	(Scope)
	(Application) 3
3.	(Camera module specification)3-4
4.	(Camera LENS specification)4
5.	(Camera Electrical Specification)5
6.	(Camera Module Configuration)6
7.	(Sample Report)
8.	(Packaging Specification)9

1 (Scope)

ZY-XSF3M2640B-V1.0

This approval sheet contains the general information of ZY-XSF3M2640B-V1.0camera module designed by Union Image CO., LTD. It contains the key features of the module as well as the information for the quality inspection and reliability test purposes.

2. (Application)

- ◆ (Mobile Phone Camera)
- ◆ (Tablet Camera)
- ◆ PSP (Notebook Camera)
- ◆ PC Camera)
- ♦ (Web Camera)
- ♦ (Toys)

3. (Camera module specification)

Item	Specification
Customer's Model Name	F3MB
Zhuoying Model Name	ZY-XSF3M2640B-V1.0
Substrate	FPC
Module siz e	20.5*12.5*5.54mm

Senso	or	OV2640
Array Ele	ement	1600*1200
Pixel S	Size	2.2 μ m×2.2 μ m
	AVDD	2.5V ~ 3.0V
Power Supply	DVDD	1.3VDC + 5%
	I/O	1.7V to 3.3V
	Operation	0°C~50°C
Temperature Range	Store	-10°C~60°C
M. F.	,	UXGA/SXGA15 fpsSVGA30 fpsCIF60
Max Fran	ne rate	fps
		•YUV(422/420)/YCbCr422•RGB565/555
Output Fo	ormats	•8-bit compressed data•8-/10-bit Raw
Output Formats	RGB data	
Power cons	umption	125 mW (for 15 fps, UXGA YUV mode)140 mW (for 15 fps, UXGA compressed mode)
Package	type	CSP

4. (Camera LENS specification)

Item	Specification
Lens size	1/4"
Lens Construction	4P+1R

F/No	2.8±5%
EFL	3.29mm
Optical FOV	68.7°

5. (Camera Electrical Specification)

Key Specifications

Array Size	IIXGA	1600 x 1200
Allay Olze		1.3VDC + 5%
Dower Supply		2.5 ~ 3.0VDC
Power Supply	100000000000000000000000000000000000000	1.7V to 3.3V
	1/0	125 mW (for 15 fps, UXGA
10 <u>-2</u> 000 (400 0 0 0 0	7.00.00	VIIV mode)
Power		140 mW (for 15 fps, UXGA
Requirements		compressed mode)
	Standby	
Temperature		
Range	Stable Image	0°C to 50°C
3-		 YUV(422/420)/YCbCr422
0	Formats (8-bit)	• RGB565/555
Output		 8-bit compressed data
		 8-/10-bit Raw RGB data
	Lens Size	1/4"
C	hief Ray Angle	25° non-linear
Maximum	UXGA/SXGA	15 fps
Image	SVGA	30 fps
Transfer Rate	CIF	ACT COLOR DE LA CO
		0.6 V/Lux-sec
	S/N Ratio	
D	ynamic Range	50 dB
Scan Mode		Progressive
Maximum Exp	osure Interval	1247 x t _{ROW}
Gamma Correction		
,		2.2 μm x 2.2 μm
		15 mV/s at 60°C
	Well Capacity	12 Ke
Fixed	Pattern Noise	<1% of V _{PEAK-TO-PEAK}
	Image Area	3590 µm x 2684 µm
Packag	ge Dimensions	5725 μm x 6285 μm



