

# ST70-02M2FF

## Supertek 2MP USB2.0 Camera Module



### SPECIFICATION

Image Sensor	1/5" GC02M2
Pixel Size	1.75um(H) x 1.75um(V)
Resolution	2.0 Megapixel 1600H x 1200V
Output Format	MJPEG, YUV2
FOV	FOV : 75 degree
Lens	EFL: 2.4mm F/NO: 2.6 2P+IRF
Focus type	Fixed Focus
Shutter type	Electronic Rolling shutter
Protocol & Connection	Plug & Play, UVC compliant
Output & Power Supply	USB2.0
Power Socket	4pin 0.8mm socket
Supported OS	Windows, Android, Linux, Wince, Mac OS



Controllable Features

Brightness, Contrast, Saturation, Hue, Sharpness,  
Gamma, White balance, Backlight Contrast, Exposure

Cable length Default 1m USB cable

Module Size L60 x W6 x H3.7(+/-0.3MM)

### WORKING CONDITION

Power Consumption USB DC +5V Supply

Operating Temperature -20°~ +60°

Storage Temperature -20°~ +85°

Humidity 80 ~85%

FORMAT	RESOLUTION	FRAME RATE	
		USB2.0	USB3.0
MJPEG	1600*1200 (UXGA)	25-30fps	
	1280*720 (720P)	25-30fps	
	800*600 (SVGA)	25-30fps	
	640*480 (VGA)	25-30fps	
YUY2	1600*1200 (UXGA)	0-5fps	
	1280*720 (720P)	5-10fps	
	800*600 (SVGA)	10-15fps	
	640*480 (VGA)	10-15fps	

For more information relating to cameras, please send us email via [sales@supertekmodule.com](mailto:sales@supertekmodule.com),  
or visit our website [www.supertekmodule.com](http://www.supertekmodule.com)

# PRODUCT DIMENSION

## ROHS

Edition	Description	Date	Drawn
1	First release	20220926	

### TECH Notes:

EFL: 2.4MM

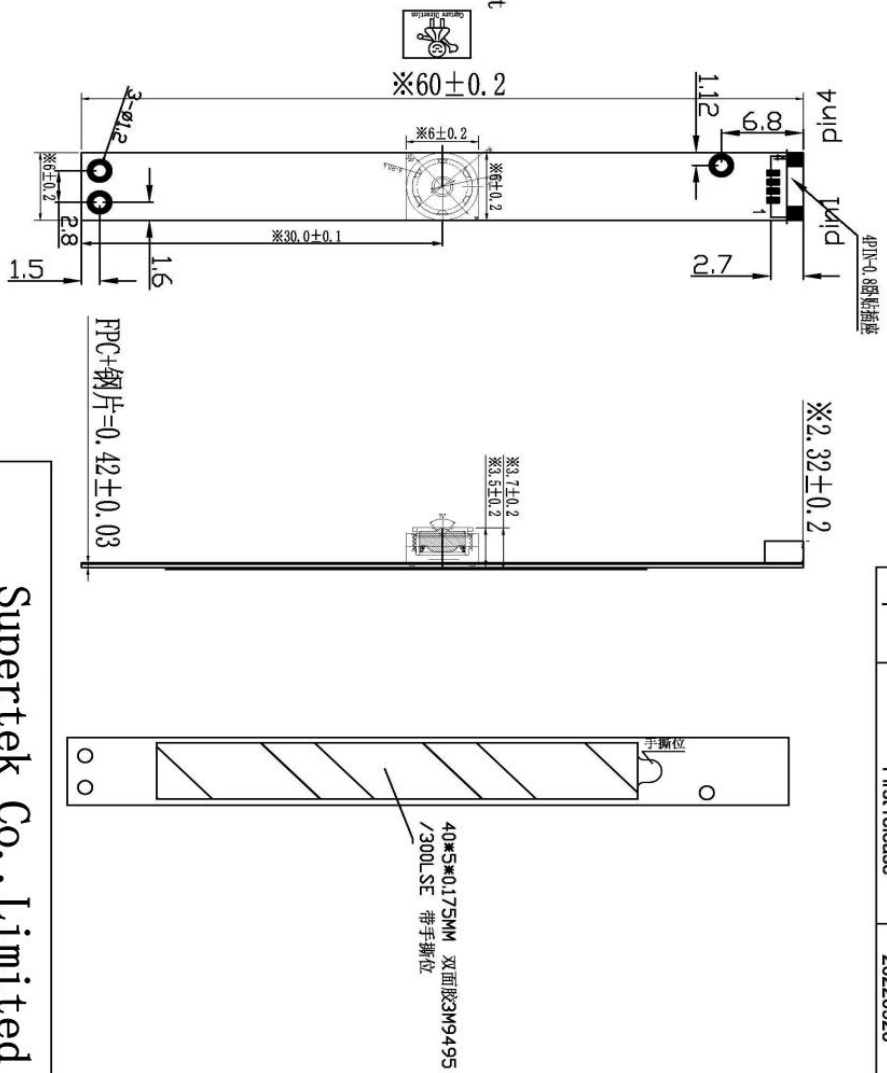
FNO: 2.6

TV-DISTORTION < 1.5%

FOV (D) : 75°

Connector Pin Assignment

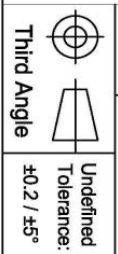
1. VCC\_5V
2. D-
3. D+
4. GND



Supertek Co., Limited

Module Specification	
Link method	USB2.0
Resolution	1600X1200
Focus Distance	0.4m
Test distance	

Drawing No.	REV.	DRAWER	JCQ	TITLE
	1.0	JCQ		ME ASSEMBLY
		CHECK		Model Name:
		APPROVE		ST70-02M2FF



Undefined Tolerance: ±0.2 / ±5°

Model Name: ST70-02M2FF