

# ST30-678FF-U3-4K60

## Supertek 4K 8M USB 3.0 Camera Module

- 8 megapixels/ 4K
- 1/1.8 sensor IMX678
- Output format: YUV MJPG
- UVC (driver-free protocol)
- USB 2.0/USB3.0 Type C
- Supports maximum resolution:  
MJPG: 3840X2160 @60FPS  
YUV2: 3840X2160 @15FPS
- MIC
- 2D-DNR, 3D-DNR
- DFOV: 94° without distortion



### SPECIFICATION

Image Sensor	1/1.8-inch IMX678 Color
Pixel Size	2.0μm*2.0μm
Resolution	3840H X 2160V
Output Format	MJPG, YUY2
FOV	DFOV:94° HFOV:86° VHOV:56°
Lens	IR 650NM BFL:4.0mm F/NO:2.8
Focus type	Fixed Focus/ Manual Focus
TV distortion	<-1%
Shutter type	Rolling shutter
Output & Power Supply	High Speed USB3.0
Interface	TYPEC - USB3.0
Supported OS	Win XP、 Win 7 win10 or Linux2.6.20
Controllable Features	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White Balance, Backlight Contrast, Exposure
Module Size	32mm x 32mm
Dynamic Range	80dB

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)

## WORKING CONDITION

Power Consumption                      USB DC 5V Supply

Operating Temperature                -20°C ~ 70°C

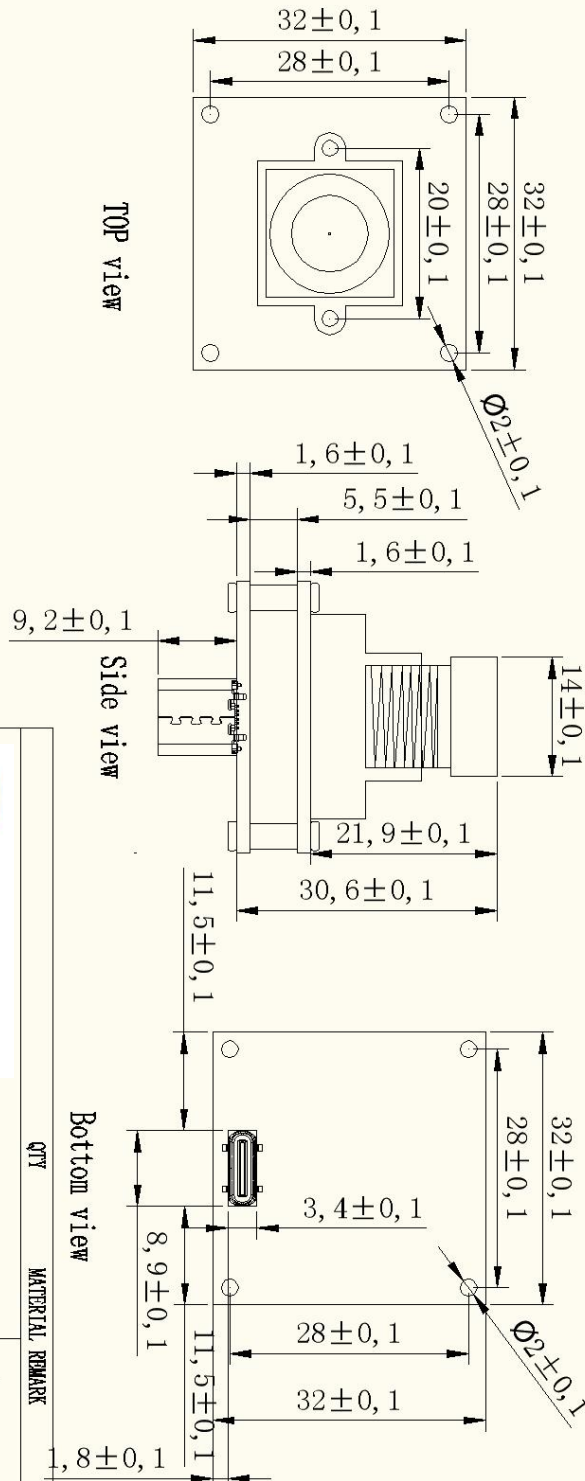
Storage Temperature                  -20°C ~ 85°C

Humidity                                    -80 ~85%

FORMAT	RESOLUTION	FRAME RATE
<b>MJPG</b>	3840x2160(4K)	60FPS
	2560x1440(2K)	60FPS
	2592x1944(5MP)	60FPS
	2048x1536(3MP)	60FPS
	1600x1200(2MP)	60FPS
	1920x1080 (1080P)	60FPS
	1280x720 (720P)	60FPS
	640x480 (VGA)	60FPS
	<b>YUY2</b>	3840x2160(4K)
2560x1440(2K)		30FPS
2592x1944(5MP)		30FPS
2048x1536(3MP)		30FPS
1600x1200(2MP)		30FPS
1920x1080 (1080P)		30FPS
1280x720 (720P)		30FPS
640x480 (VGA)		30FPS

## PRODUCT DIMENSION

# RoHS



CONDUCTOR	TYPE-C 3.0	LENS THREAD:	M12*P0.5	SENSOR MODEL:	IMX678	Product Name:		Draft:	UNSPECIFIED TOL.
PIN	Name	EQ:	4mm	Active Pixel Array:	3840*2160	TITLE:	Specification	Change:	.XX ± 0.05
1		F/NO:	2.8	Pixel Size:	2 μm x 2 μm	PP4		DRY BY:	.XX ± 0.05
2		FIELD ANGLE:	90° H 90° V 90°	Lens Format Size:	1/1.8 Inch	IM11:		CHEK BY:	.X ± 0.1
3		TY. DISTORTION:	<-1%	Package:	OM5	Version:	V1.0	APPY BY:	∠ ± 0.5°
4		CHIEF BAY ANGLE:	<12°	CONSTRUCTION:	36*29*11R	SCALE :	1:1		
5						Date:	2025-11-27		A4