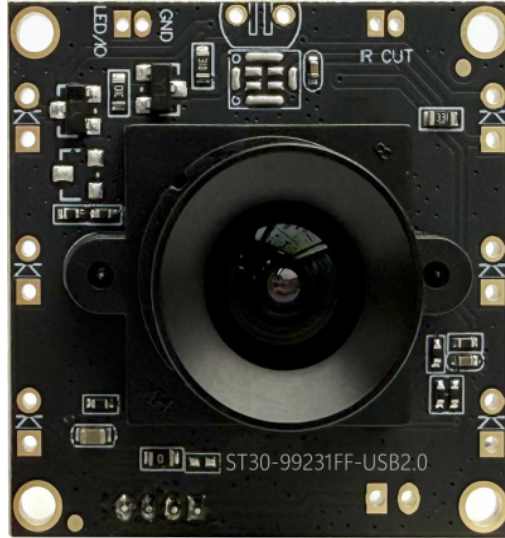


# ST30-99231FF-USB2.0

## Supertek 2MP USB2.0 Camera Module



### SPECIFICATION

Image Sensor	1/2.7" NT99231
Pixel Size	3um(H) x 3 um(V)
Resolution	2.0 Megapixel 1920H x 1080V
Output Format	MJPEG,YUY
FOV	DFOV : 98degree
Lens	TTL: 16mm F/NO: 2.4
Focus type	Fixed Focus
Shutter type	Electronic Rolling shutter
Protocol & Connection	Plug & Play, UVC compliant
Output & Power Supply	High Speed USB2.0
Power Socket	4pin 0.5mm socket
Supported OS	Windows, XP2.0,Windows7,Windows8,Windows10;linux;Wince
Focus distance	10cm-
Lens holder	M12*P0.5
Dynamic Range	60DB

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)



Controllable Features

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

Cable length	Default 1.5m USB cable
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Module Size 38 \* 38mm

### WORKING CONDITION

Power Consumption	USB DC +5V Supply < 180mA(0.9W)
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Operating Temperature -20°~ +60°

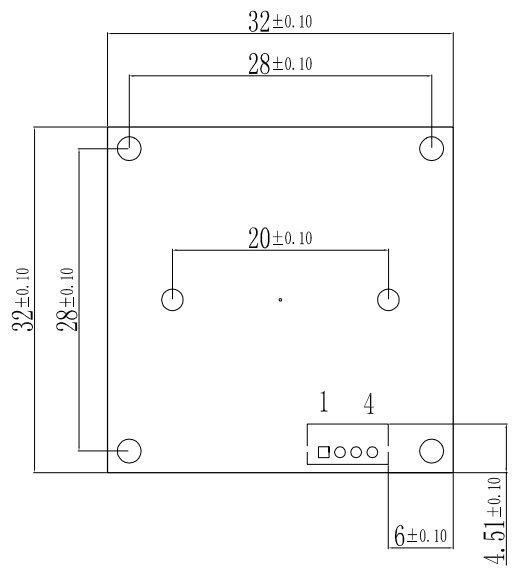
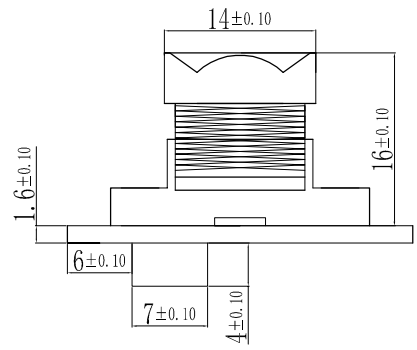
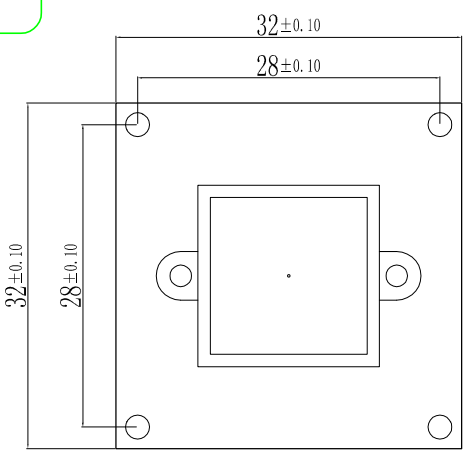
Storage Temperature	-25°~ +80°
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Humidity 80 ~85%

FORMAT	RESOLUTION	FRAME RATE
<b>MJPG</b>	1920*1080	30fps
	1280*720	30fps
	800*600	30fps
	640*1024	30fps
	640*480	30fps
<b>YUY2</b>	1920*1200	5fps
	1280*720	10fps
	800*600	20fps
	640*480	30fps

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RoHS



QTY	MATERIAL	REMARK

CONNECTOR	ZH-04A	LENS THREAD:	M12*P0.5	SENSOR MODEL:	NT99231	Product Name:	ST30-99231FF-USB2.0	Draft:		UNSPECIFIED TOL:
PIN	Name	BFL:	3.42MM	Active Pixel Array:	1920x1080	TITLE:	Specification	Change:		.XXX ± 0.005
1	5V	F/NO:	2.4	Pixel Size:	3 μm x 3 μm	Material:	FR4	DRV BY:	Engineering Department	.XX ± 0.05
2	D-	FIELD ANGLE:	D:98° H: 90° V: 59°	Lens FormatSize:	1/2.7 inch	UNIT:	mm	CHEK BY:		.X ± 0.1
3	D+	TV DISTORTION:	<-0.12%	Package:	CSP	Version:	V1.0	APPV BY:		∠ ± 0.5°
4	GND	CHIEF RAY ANGLE:	<24.9°			SCALE :	1:1			A4
5		CONSTRUCTIO:	4E+1IR			Data:	2025-11-20			