

ST30-0234FF-U3

Supertek 2MP USB3.0 Camera Module



SPECIFICATION

Image Sensor	1/2.6" CMOS AR0234
Pixel Size	3um(H) x 3um(V)
Resolution	2.0 Megapixel 1920H x 1200V
Output Format	MJPEG, YUV2
FOV	DFOV :92°
Lens	BFL:3.24mm F/NO:2.7mm
Focus type	Fixed focus
Shutter type	Global Shutter
Optical Distortion	<0.5%
Protocol & Connection	Plug & Play, UVC compliant
Output & Power Supply	USB3.0
Dynamic Range	71.4dB
Supported OS	Windows XP, Windows 7, Windows 10, or Linux 2.6.20 (high frame rate), and Windows 8 and later versions.

Controllable Features	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White balance, Backlight Contrast, Exposure
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Cable length Default 1m USB cable

Module Size 38*38 mm

WORKING CONDITION

Power Consumption USB DC +5V Supply

Operating Temperature -20° ~ +70°

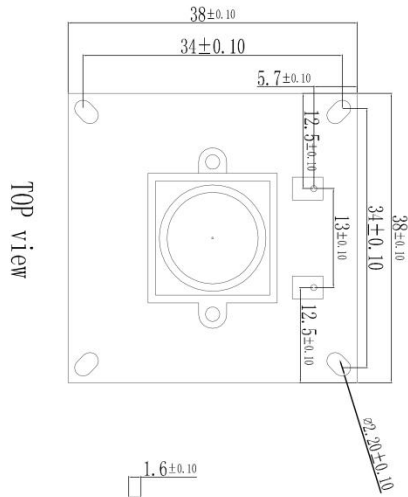
Storage Temperature -40° ~ +85°

Humidity 80 ~85%

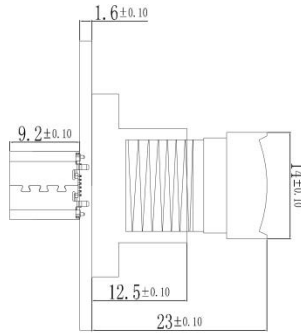
FORMAT	RESOLUTION	FRAME RATE	
		USB3.0	USB2.0
MJPEG	1920X1200	120fps	
	1920*1080	120fps	30fps
	1280X720	200fps	60fps
	640X360	200fps	200fps
YUY2	1920X1200	80fps	
	1920*1080	80fps	5fps
	1280X720	200fps	10fps
	640X360	200fps	30fps

PRODUCT DIMENSION

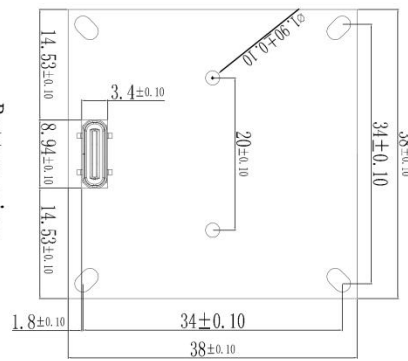
RoHS



TOP view



Side view



Bottom view



OTV

MATERIAL REMARK

CONNECTOR	TYPE-C 3.0	LENS THREAD:	M2*4.0.5	SENSOR MODEL:	AR0234	Product Name:		Draft:	UNSPECIFIED TOL:
PIN Name		PHI:	3.95mm	Active Pixel Array:	1920*1200	TITLE:	Specification	Change:	.XX ± 0.005
1		F/NO:	2.7	Pixel Size:	3µm x 3µm	Material:	PP4	DW BY:	.XX ± 0.05
2		FIELD ANGLE:	Diag° 16.81° 11.81°	Lens FormatSize:	1/2.6 inch	ENT:	mm	CHEK BY:	.X ± 0.1
3		TV DISTORTION:	<0.5%	Package:	CSP	Version:	V1.0	APPV BY:	∠ ± 0.5°
4		CHEF RAY ANGLE:	<14.9°			SCALE :	1:1		
5		CONSTRUCTION:	60+2P+1IR			Data:	2025-11-26		