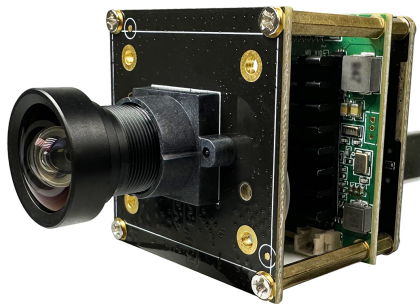


# ST10-415FF-U3-4K60

## Supertek 4K HDMI USB3.0 Camera Module



### SPECIFICATION

Image Sensor	1/2.8-inch CMOS Sensor IMX 415
Pixel Size	1.45*1.45µm
Resolution	8.0 Megapixel 3840H*2160V
Output Format	MJPEG, YUY2, H264
FOV	DFOV 88.2°
Lens	EFL: 3.24mm, F/No: 2.7, 4G2P+IR 650nm
Focus type	Fixed Focus/ Manual Focus
Shutter type	Electronic Rolling Shutter
Image Color	Color
Interface	USB3.0 Type-C and High Definition Interface Support Synchronous Display
Scan Speed	0.1s
Output & Power Supply	High Speed USB3.0
Power Socket	5 pin 1.25mm USB connector
Supported OS	UVC-compliant, Plug and Play for Windows, Android, Linux, Mac OS, etc.

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, Gain, Gamma, White Balance, Backlight Contrast, Exposure

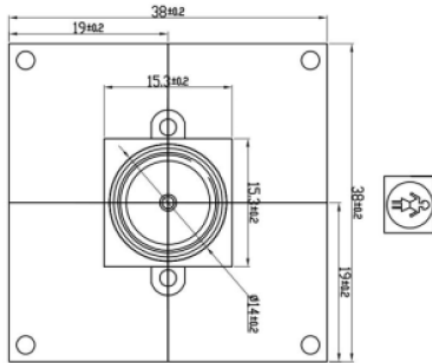
Cable length	Default 1.5 Meter USB Cable
Module Size	38*38mm
<b>WORKING CONDITION</b>	
Power Consumption	USB DC 5V Supply
Operating Temperature	--20°C ~ 60°C
Storage Temperature	--20°C ~ 85°C
Humidity	-80 ~85%

FORMAT	RESOLUTION	FRAME RATE
<b>MJPEG</b>	3840*2160(4K)	60FPS
	2560*1440(2K)	60FPS
	1920*1080 (1080P)	60FPS
	1280*720 (720P)	60FPS
	640*480 (VGA)	60FPS
<b>YUY2</b>	3840*2160(4K)	15FPS
	2560*1440(2K)	30FPS
	1920*1080 (1080P)	60FPS
	1280*720 (720P)	60FPS
	640*480 (VGA)	60FPS
<b>H.264</b>	3840*2160(4K)	60FPS
	2560*1440(2K)	60FPS

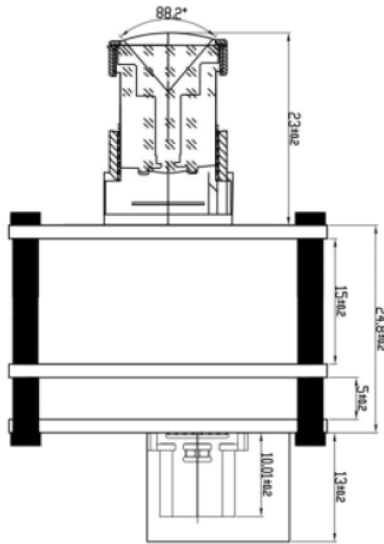
# PRODUCT DIMENSION

HSF

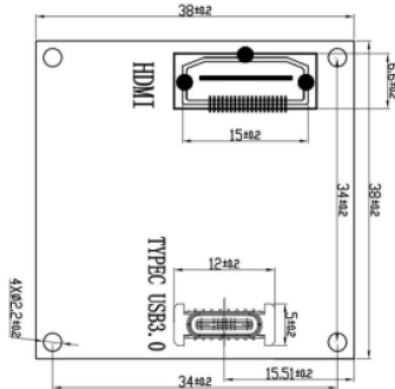
Top view



Side view



Bottom view



REV.	ECN. NO./Description	Date.	APPD
A0	First Released	2021/9/9	LEO

主 上	焦距 (EFL)	3.24MM	(Module Size)	38X38	<b>SUPERTEK</b> Supertek Co., Limited	
主 上	半徑 (F.ND)	2.7	Output Format	MJPEG, YUY2, H264		
要 參	視角 (View Angle)	88.2°			TIME	SPEC
參 數	鏡頭結構 (Lens Structure)	4.52D+R 65.0mm			MEMORISE	
	像素尺寸 (Pixel Size)	1.45um(H) x 1.45um(V)			CHD:	ST10-415FP-3.0
	感光元件 (Chip Type)	1/2.8" CMOS IMX415			DR:	
	像素尺寸 (Resolution)	3840HX2160V			SCALE: 1:1	PAGE: 1/1
					UNIT: mm	REV: A0