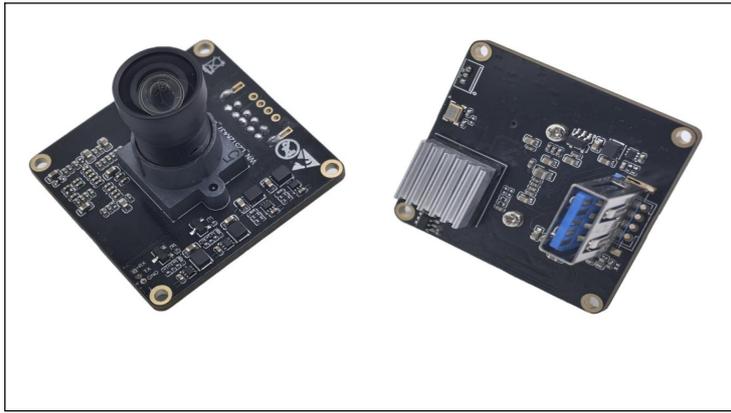


## USB3.0 4K HDR USB Camera Module Specifications



### I. Main Parameters

Product Name	USB3.0 4K HDR Camera Module
Product Code	WN-L2512K437 USB3.0 4K
Module Size	PCB: 38mmx38mmx37.01mm
Image Sensor	1/2.5-inch IMX274 CMOS Sensor
Max. Resolution	3840H*2160V
Pixel Size	1.62*1.62μm
Output Format	NV12, YUV2, MJPEG, H.264, H.265
Field of View	D 94.8° x H 86.6° x V 56° (or TBD)
Focus Mode	Fixed Focus/ Manual Focus
Shutter Mode	Electronic Rolling Shutter
Dynamic range	96dB (Dual-Frame Synthetic HDR)
Interface	Type A USB 3.0
Output & Power Supply	High Speed USB3.0
Controllable Parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gain, Gamma, White Balance, Backlight Contrast, Exposure
Supported OS	UVC-compliant, Plug and Play for Windows10, Windows11, Android, Linux etc.
Connection Cable	Default 1.5 Meter USB Cable

### 2. Resolutions and Frame Rates

Resolutions	Frame Rates				
	MJPG	YUY2	H.264	H.265	NV12
3840*2160 4k	30FPS	15FPS	30FPS	30FPS	15FPS
2560*1440 2k	30FPS	30FPS	30FPS	30FPS	30FPS
2592*1944 5MP	30FPS	30FPS	30FPS	30FPS	30FPS
2048*1536 3MP	30FPS	30FPS	30FPS	30FPS	30FPS
1600*1200 2MP	30FPS	30FPS	30FPS	30FPS	30FPS
1920*1080 1080P	30FPS	30FPS	30FPS	30FPS	30FPS
1280*720 720P	30FPS	30FPS	30FPS	30FPS	30FPS
640*480 VGA	30FPS	30FPS	30FPS	30FPS	30FPS

### 3. Working Conditions

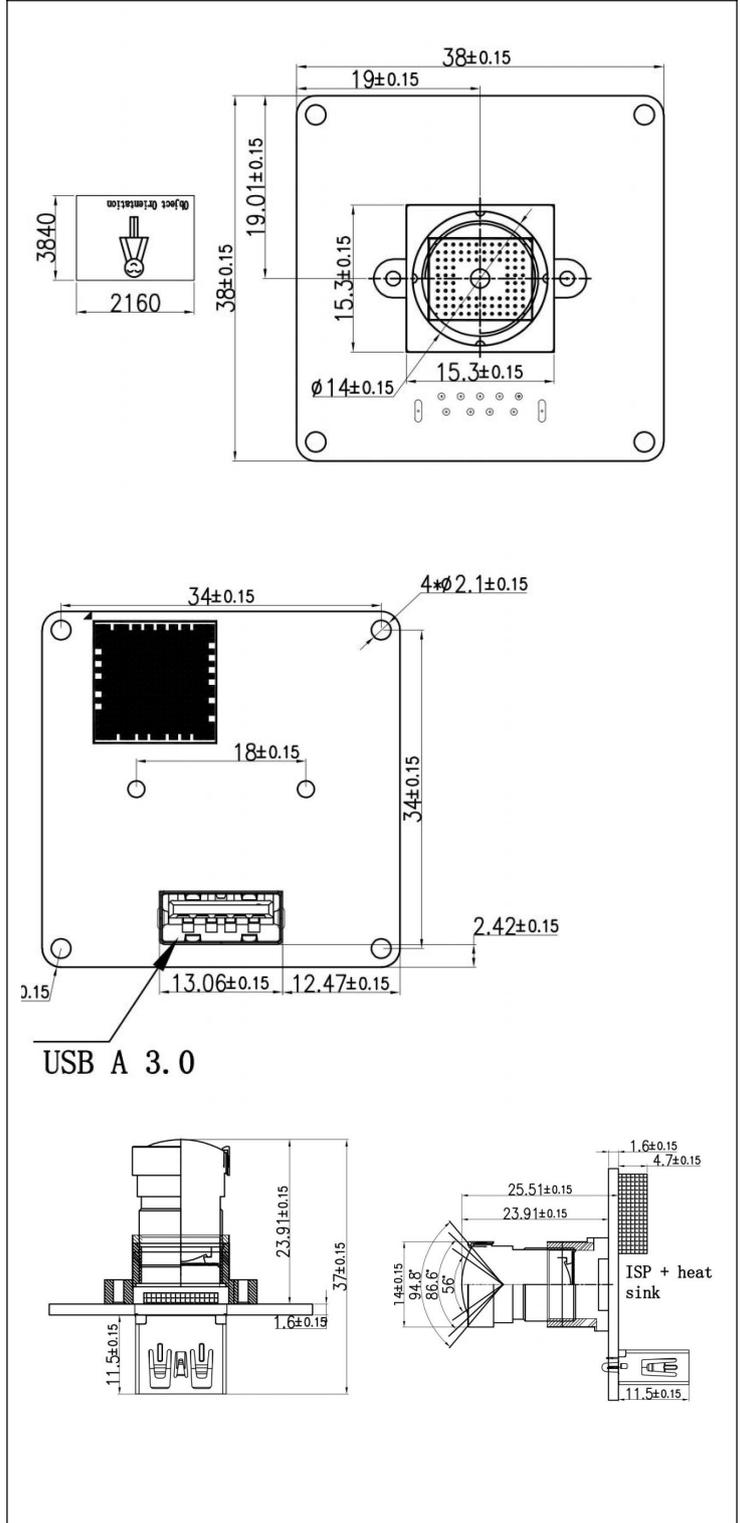
Working Voltage	DC 5V
Working Current	470mA
Working Temperature	-15°C ~ 60°C
Storage Temperature	-20°C ~ 85°C

Humidity	80 ~85%
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### 4. PIN Definitions

Pin No.	Signal Names	Descriptions
1	VCC	5V Power
2	DP	Data-
3	DM	Data+
4	GND	GND
5	SSPXNI	USB3.0 SSPXNI
6	SSPXPI	USB3.0 SSPXPI
7	GND	GND
8	SSTXNI	USB3.0 SSTXNI
9	SSTXPI	USB3.0 SSTXPI

### 5. Shape and Dimensions (Unit: mm)



USB A 3.0

