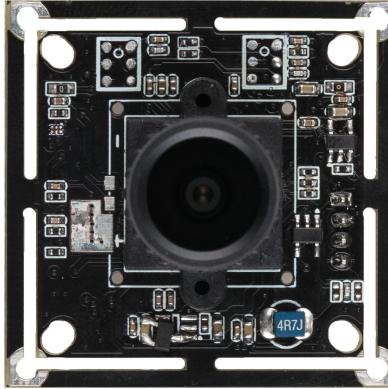


# UC20MPG

Spinel 2 MP Low Light USB Camera Module with IMX290



## UC20MPG-Features

**2 MP Resolution, low light good for moving objects, WDR at 63db, H.264**

**Plug-&-Play (UVC compliant)**

**USB 2.0 device with USB 2.0 cable**

## Specifications

Image Device	1/2.8" CMOS Sony IMX290		
Pixel Size	2.9µm x 2.9µm		
Resolution	<b>2 MP FULL HD 1920(H) X 1080(V)</b>		
<b>Output Format</b>	<b>MJPEG / YUV2(YUYV) / H.264</b>		
Shutter Type	Electronic rolling shutter		
Focus	Manually adjustable		
Focusing Range	20mm to Infinity		
Protocol & Connection	<b>Plug-&amp;-Play (UVC compliant)</b>		
<b>Frame Rate (Max)</b>	320X240 QVGA	MJPEG/H264 @30fps	YUV2 @30fps
	640X480 VGA	MJPEG/H264 @30fps	YUV2 @30fps
	1280X720 HD	MJPEG/H264@ 30fps	N/A
	1920X1080 FHD	MJPEG/H264@ 30fps	N/A
<b>Minimum Illumination</b>	<b>0.002 Lux</b>		
WDR	63 db		
IR-Cut Filter (IR Filter)	Default at 650nm, custom options at 850nm or 940nm.		
Lens	Default <b>3.6mm</b> , Custom options 2.1mm, 2.8mm, 6mm, 8mm, 12mm, 16mm, 25mm, 100 degree FOV non-distortion lens, Pin-hole 2.8mm, 3.7mm, 4.3mm lens, 185 Degree Fisheye, CS lens and others upon request		
IR-Cut Filter Switch (IRC)	Available upon request		
Night Vision	Supported with use of IR lens and IR illuminator		
Controllable Features	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White balance, Backlight Contrast, Exposure		

For more information relating to cameras, please contact us, via email at [info@spinelelectronics.com](mailto:info@spinelelectronics.com)  
Or by phone at 800-837-5859; or visit our Website: [www.spinelelectronics.com](http://www.spinelelectronics.com)

IR Illumination	Default not available, 12 or 24pcs 850nm/940nm IR LED board can be added upon request
Power Socket	4P PH 2.0mm socket, USB BUS Power
Cable Length	Default 1.2M (optional 2M or others upon request)
<b>Supported OS</b>	Win XP/Vista/Win7/Win8/Win10 Linux with UVC (linux-2.6.26 or later) MAC-OS X 10.4.8 or later Wince with UVC Android 4.0 or higher with UVC

<b>Environmental</b>	
Power Consumption	<b>DC5V (±5%), &lt;242mA</b>
Operating Temp.	-4°F~185°F (-20°C~+85°C)
Storage Temp.	-40°F~185°F (-40°C~+85°C)
Humidity	Less than 80%
Dimension in Millimeters	<b>38mmx 38mm (Mount compatible with 32 x 32mm)</b>
Weight	Approx. 12Grams or 0.4Ounce

## Windows Testing Application - AMCAP



1. The "AMCAP" can be downloaded from Spinel site:
2. For preview, please select correct camera device.
3. To change resolution, go to Options--> video device -->capture format.