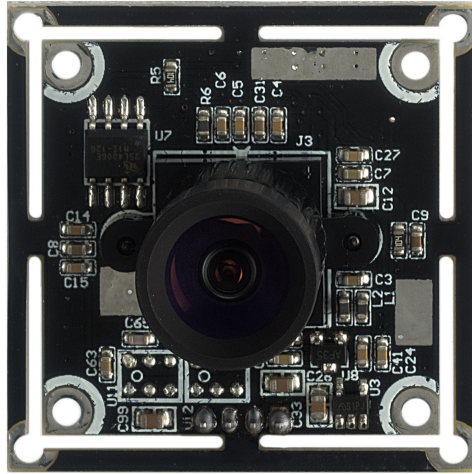


UC80MPA

Spinel 8 MP USB Camera Module with SONY IMX179



UC80MPA-Features

8 MP Resolution with Sony IMX179 sensor

Plug-&-Play (UVC compliant)

USB 2.0 device with USB 2.0 cable

Specifications

Image Device	1/3.2" SONY IMX179		
Pixel Size	1.4 μ m x 1.4 μ m		
Resolution	8 MP 3264(H) X 2448(V)		
Output Format	MJPEG / YUV2 (YUYV)		
Shutter Type	Electronic rolling shutter		
Focus	Manually adjustable		
Protocol & Connection	Plug-&-Play (UVC compliant)		
Frame Rate	640X480	MJPEG @30fps	YUV2 @30fps
	800X600	MJPEG @30fps	YUV2 @30fps
	1024X768	MJPEG @30fps	YUV2 @15fps
	1280X720	MJPEG @25fps	YUV2 @10fps
	1280X960	MJPEG @30fps	YUV2 @ 5fps
	1600X1200	MJPEG @30fps	YUV2 @ 5fps
	1920X1080	MJPEG @25fps	YUV2 @ 3fps
	2048x1536	MJPEG @15fps	YUV2 @ 3fps
	2592x1944	MJPEG @15fps	YUV2 @ 3fps
	3265x2448	MJPEG @15fps	YUV2 @ 2fps
Minimum Illumination	0.05 Lux		
IR-Cut Filter (IR Filter)	Default at 650nm built-in on sensor		
Lens	Default 90 degree FOV non-distortion lens , Custom options 2.1mm, 3.6mm, 6mm, 8mm, 12mm, 16mm, Pin-hole 2.8mm, 3.7mm, 4.3mm lens, 185 Degree Fisheye Lens, CS lens and others upon request		

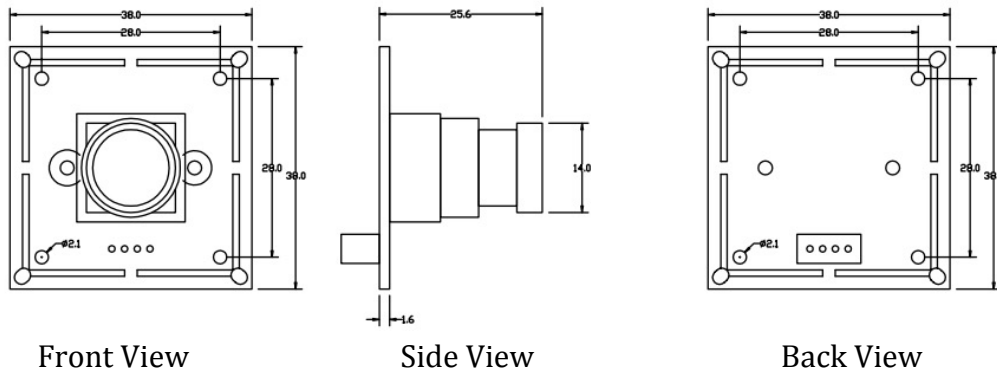
For more information relating to cameras, please contact us, via email at info@spinelectronics.com

Or by phone at 800-837-5859; or visit our Website: www.spinelectronics.com

Night Vision	Supported with the use of white flash LED's ONLY
Controllable Features	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White balance, Backlight Contrast, Exposure
IR Illumination	IR LED not supported, can customize with 12/24 pcs white flash LED board upon request
Power Socket	4P PH 2.0mm socket, USB BUS Power
Cable Length	Default 4ft(1.2M) (optional 2M or others upon request)
Supported OS	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

Environmental	
Power Consumption	DC5V (±5%), <140mA
Operating Temp.	-22°F~185°F (-30°C~+85°C)
Storage Temp.	-40°F~185°F (-40°C~+85°C)
Humidity	Less than 80%
Dimension in Millimeters	38mmx 38mm (Mount compatible with 32 x 32mm)
Weight	Approx. 12 Grams or 0.4 Ounce

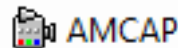
Board Layout (Dimensions in mm)



Pin Configuration (shown on back view image above, from left to right)

Pin 1	Pin 2	Pin 3	Pin 4
DC 5V In	DP	DM	GND

Windows Testing Application - AMCAP



1. The "AMCAP" can be downloaded from Spinel site:
2. For preview, please select the camera first, then go to Options--->Preview
3. To change resolution, please go to AMCAP--->Options--->Video Capture Pin

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