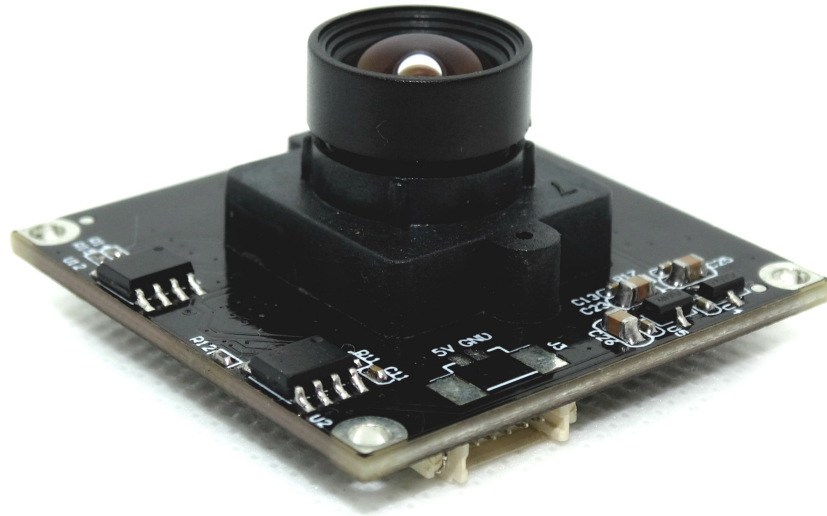


# UC10MPC

Spinel 720P USB Global Shutter Monochrome Camera Module



## UC10MPC-Features

**720P @120fps, Global Shutter, Monochrome**

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

**USB 2.0 device with USB 2.0 cable**

## Specifications

Image Device	1/4" CMOS OV9281		
Pixel Size	3 $\mu$ m x 3 $\mu$ m		
Resolution	<b>1 MP 1280(H) X 720(V)</b>		
<b>Output Format</b>	<b>MJPEG</b>		
Shutter Type	<b>Global shutter</b>		
Focus	Manually adjustable		
Focusing Range	20mm to Infinity		
Protocol & Connection	<b>Plug-&amp;-Play (UVC compliant)</b>		
<b>Frame Rate (Max.)</b>	160X120	MJPEG @ 120fps	YUV2 @ N/A
	176X144	MJPEG @ 120fps	YUV2 @ N/A
	320X240	MJPEG @ 120fps	YUV2 @ N/A
	352X288	MJPEG @ 120fps	YUV2 @ N/A
	424X240	MJPEG @ 120fps	YUV2 @ N/A
	640X360	MJPEG @ 120fps	YUV2 @ N/A
	640X400	MJPEG @ 120fps	YUV2 @ N/A
	960X540	MJPEG @ 120fps	YUV2 @ N/A
	1280X720	MJPEG @ 120fps	YUV2 @ N/A

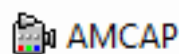
For more information relating to cameras, please contact us, via email at [info@spinelectronics.com](mailto:info@spinelectronics.com)

Or by phone at 800-837-5859; or visit our Website: [www.spinelectronics.com](http://www.spinelectronics.com)

Minimum Illumination	<b>0.05 Lux</b>
IR-Cut Filter (IR Filter)	Default at 650nm, custom options at 850nm or 940nm.
Lens	Default <b>95 degree FOV non-distortion lens</b> , Custom options 1.7mm, 2.0mm, 2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm, Pin-hole 2.8mm, 3.7mm, 4.3mm lens, 185 Degree Fisheye, CS lens and others 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
IR Illumination	Default not available, 6 or 12 or 24pcs 850nm/940nm/white light LED board can be added upon request
Power Socket	4P PH 1.5mm 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%), 100~160mA</b>
Operating Temp.	-4°F~167°F (-20°C~+75°C)
Storage Temp.	-40°F~185°F (-40°C~+85°C)
Humidity	Less than 80%
Dimension in Millimeters	<b>38mmx 38mm</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 the camera under "Devices".
3. To change resolution, please go to AMCAP--->Options--->capture format.
4. To change other parameters, please to go AMCAP--->Options--->Properties.