

# UC50MPC

Spinel High Frame Rate 5MP USB Camera Module  
with OS05A10 Sensor

## UC50MPC-Features

**5 MP Resolution, supports 2592X1944 pixels up to 30fps, WDR 74dB**

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

**USB 2.0 device with USB 2.0 cable**

## Specifications

Image Device	1/2.7" OS05A10		
Pixel Size	2µm x 2µm		
Resolution	<b>5 MP 2592(H) X 1944(V)</b>		
<b>Output Format</b>	<b>MJPEG / YUV2 (YUYV)</b>		
Shutter Type	Electronic rolling shutter		
Focus	Manually adjustable		
Protocol & Connection	<b>Plug-&amp;-Play (UVC compliant)</b>		
<b>Frame Rate (Max.)</b>	320X240	MJPEG @30fps	YUV2 @ 30fps
	640X360	MJPEG @30fps	YUV2 @ 30fps
	640X480	MJPEG @30fps	YUV2 @ 30fps
	1280X720	MJPEG @30fps	YUV2 @ 8fps
	1600x1200	MJPEG @30fps	N/A
	1920x1080	MJPEG @30fps	N/A
	2048x1536	MJPEG @30fps	N/A
	2560X1440	MJPEG @30fps	N/A
	2592X1458	MJPEG @30fps	N/A
	2592x1944	MJPEG @30fps	YUV2 @ 1fps
Minimum Illumination	<b>0.2 Lux</b>		
IR-Cut Filter (IR Filter)	Default at 650nm, custom options at 850nm or 940nm		
Lens	Default <b>3.6mm lens</b> , other options M12 2.1mm, 2.8mm, 6mm, 8mm, 12mm, 16mm, 25mm, 110 degree non-distortion Lens, 185 Degree circular Fisheye, CS 2.8mm, 4mm, 6mm, 8mm, 16mm, 25mm lens and other upon request		
WDR	74 dB @ 16x gain		
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, 12 or 24pcs 850nm LED plate can be added upon request		
Power Socket	5P PH 1.25mm socket, USB BUS Power		
Cable Length	Default 4ft(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)		

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)

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%), 150~200mA</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. 12 Grams or 0.4 Ounce

### **Windows Testing Application - AMCAP**

Please download from Spinel site.