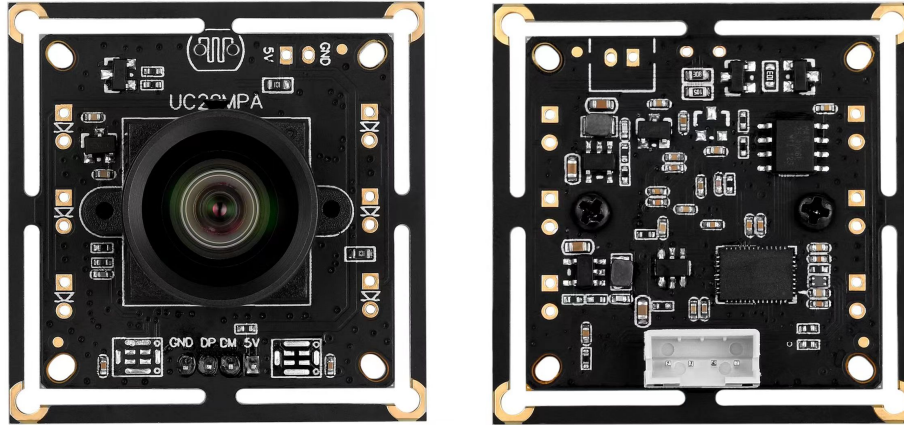


UC20MPA

Spinel 2 MP Color Global Shutter USB Camera Module



UC20MPA-Features

2 MP Resolution, 60fps @1600x1200 pixels, color global shutter

Plug-&-Play (UVC compliant)

USB 2.0 device with USB 2.0 cable

Specifications

Image Device	1/2.9" CMOS OmniVision OG02B10		
Pixel Size	3 μ m x 3 μ m		
Resolution	2 MP 1600(H) X 1200(V)		
Output Format	MJPEG / YUV2(YUYV)		
Shutter Type	Color global shutter		
Focus	Manually adjustable		
Focusing Range	20mm to Infinity		
Protocol & Connection	Plug-&-Play (UVC compliant)		
Frame Rate (Max)	320X180	MJPEG @180fps	YUV2 @30fps
	320X240	MJPEG @180fps	YUV2 @N/A
	640X360	MJPEG @180fps	YUV2 @N/A
	640X480	MJPEG @180fps	YUV2 @30fps
	960X540	MJPEG @60fps	YUV2 @N/A
	1280X720	MJPEG @90fps	YUV2 @8fps
	1600X1200	MJPEG @60fps	YUV2 @5fps
Minimum Illumination	0.01 Lux		
WDR	63 db		
IR-Cut Filter (IR Filter)	Default at 650nm		
Lens	Default 3.24mm non-distortion lens , Custom options 2.1mm, 2.4mm, 2.8mm, 2.88mm non-distortion, 3.6mm, 4mm, 6mm, 8mm, 12mm, 16mm and Pin-hole 2.8mm, 3.7mm, 4.3mm lens, 185 Degree Fisheye, CS		

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

	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
IR Illumination	Default not available, 6pcs IR/white light LED's can be added built-in on board upon request
Power Socket	4P PH 2.0mm socket, USB BUS Power
Cable Length	Default 1.2M (optional 16CM, 2M, 3M, 5M 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%), <150mA (standby current ~10mA)
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	38mmx 38mm (Mount compatible with 32 x 32mm)
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.