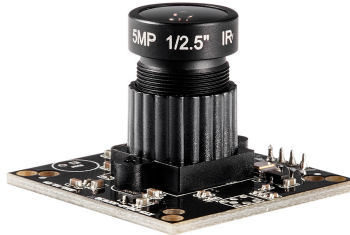


UC50MPA

Spinel Low Cost 5 MP USB Camera Module



UC50MPA -Features

Low Cost, 5 MP Resolution

Plug-&-Play (UVC compliant)

USB 2.0 device with USB 2.0 cable

Specifications

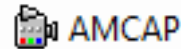
Image Device	1/4" CMOS Sensor		
Pixel Size	1.4 μ m x 1.4 μ m		
Resolution	5 MP 2592(H) X 1944(V)		
Output Format	MJPEG / YUV2 (YUYV)		
Shutter Type	Electronic rolling shutter		
Focus	Manually adjustable		
Protocol & Connection	Plug-&-Play (UVC compliant)		
Frame Rate	320X240	MJPEG @15fps	YUV2 @ 30fps
	640X480	MJPEG @15fps	YUV2 @ 30fps
	1280X960	MJPEG @30fps	YUV2 @ 5fps
	1600x1200	MJPEG @15fps	YUV2 @ 5fps
	1920x1080	MJPEG @30fps	YUV2 @ 5fps
	2048x1536	MJPEG @15fps	YUV2 @ 3fps
	2592x1944	MJPEG @15fps	YUV2 @ 2fps
Minimum Illumination	0.1 Lux		
IR-Cut Filter (IR Filter)	Default at 650nm, custom options at 850nm or None		
Audio	Supported when Microphone is equipped on board		
Lens	Default 3.6mm lens for H.FOV 60 degree , other options M12 1.7mm, 2.0mm, 2.8mm, 6mm, 8mm, 12mm, 16mm, 70 degree Non-distortion Lens, 185 Degree circular Fisheye, CS 2.8mm, 4mm, 6mm, 8mm, 16mm, 25mm 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		

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

IR Illumination	Default not available
Power Socket	4P PH 2.0mm socket, USB BUS Power
Cable Length	Default 4ft(1.2M) (optional 3M 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%), 150~200mA
Operating Temp.	-4°F~158°F (-20°C~+70°C)
Storage Temp.	-22°F~185°F (-30°C~+85°C)
Humidity	Less than 80%
Dimension in Millimeters	32mm x 32mm
Weight	Approx. 4 Grams or 0.15 Ounce

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