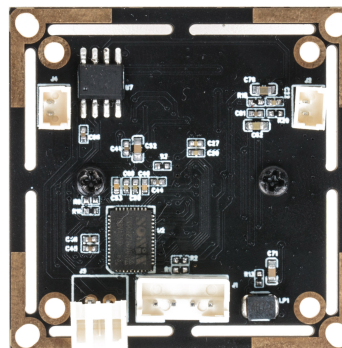
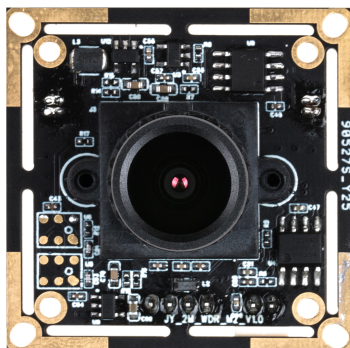


UC20MPF

Spinel 2 MP WDR USB Camera Module with AR0230 Sensor



UC20MPF-Features

2 MP Resolution, WDR 105dB

Plug-&Play (UVC compliant)

USB 2.0 device with USB 2.0 cable

Specifications

Image Device	1/2.7" CMOS AR0230		
Pixel Size	3µm x 3µm		
Resolution	2 MP FULL HD 1920(H) X 1080(V)		
Output Format	MJPEG / YUV2 (YUYV)		
Shutter Type	Electronic rolling shutter		
Focus	Manually adjustable		
Focusing Range	20mm to Infinity		
Protocol & Connection	Plug-&Play (UVC compliant)		
Frame Rate (Max)	320X180	MJPEG @30fps	N/A
	320X240 QVGA	MJPEG @30fps	N/A
	640X360	MJPEG @30fps	N/A
	640X480 VGA	MJPEG @30fps	YUV2 @30fps
	800X600 SVGA	MJPEG @30fps	YUV2 @15fps
	1024X768	MJPEG @30fps	N/A
	1280X720 HD	MJPEG @30fps	YUV2 @5fps
	1280X960	MJPEG @30fps	N/A
	1920X1080 FHD	MJPEG @30fps	YUV2 @5fps
Minimum Illumination	0.05 Lux		
S/N Ratio (Max)	41db		
WDR	105 dB		
IR-Cut Filter (IR Filter)	Default at 650nm, custom options at 850nm or 940nm.		
Lens	Default 3.6mm , Custom options 2.1mm, 2.8mm, 6mm, 8mm, 12mm, 16mm, 25mm, 100 degree FOV non-distortion lens, Pin-hole 3.7mm, 4.3mm lens, 185 Degree Fisheye, 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

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, 12 or 24pcs 850nm/940nm IR or white light LED board can be added upon request
Power Socket	4P PH 2.0mm socket, USB BUS Power
Cable Length	Default 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.	-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	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.