

UC20MPB

Spinel 2 Mega Pixels USB Camera Module with OV2710 Sensor



UC20MPB-Features

2 MP Resolution

Plug-&-Play (UVC compliant)

USB 2.0 device with USB 2.0 cable

Specifications

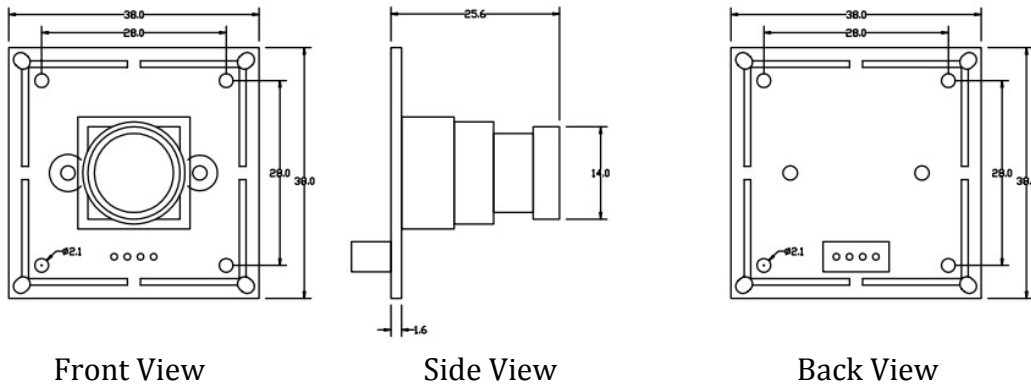
Image Device	1/2.7" CMOS OV2710		
Pixel Size	3 μ m x 3 μ m		
Resolution	2 MP FULL HD 1920(H) X 1080(V)		
Output Format	MJPEG / YUV2 (YUYV)		
Shutter Type	Electronic rolling shutter		
Focus	Manually adjustable		
Focusing Range	20mm to Infinity		
Protocol & Connection	Plug-&-Play (UVC compliant)		
Frame Rate	320X240 QVGA	MJPEG @120fps	YUV2 @ 30fps
	640X480 VGA	MJPEG @120fps	YUV2 @30fps
	800X600 SVGA	MJPEG @60fps	YUV2 @20fps
	1024X768 XGA	MJPEG @30fps	YUV2 @ 6fps
	1280X720 HD	MJPEG @60fps	YUV2 @ 9fps
	1280X1024 SXGA	MJPEG @30fps	YUV2 @ 6fps
	1920X1080 FHD	MJPEG @30fps	YUV2 @ 6fps
Minimum Illumination	0.05 Lux		
IR-Cut Filter (IR Filter)	Default at 650nm, custom options at 850nm or 940nm.		
Lens	Default 100 degree FOV non-distortion lens , Custom options 2.1mm, 3.6mm, 6mm, 8mm, 12mm, 16mm, Pin-hole 2.8mm, 3.7mm, 4.3mm lens, 185 Degree Fisheye and others upon request		
Night Vision	Supported with use of IR lens and IR illuminator		

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

Controllable Features	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White balance, Backlight Contrast, Exposure
IR Illumination	Default not available, 12 or 24pcs 850nm/940nm/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%), 150~200mA
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

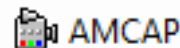
Board Layout (Dimensions in mm)



Pin Configuration (shown on back view image above, from left to right)

Pin 1	Pin 2	Pin 3	Pin 4
DC 5V In	DP	DM	GND

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

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