

UC20MPH

Spinel High Frame Rate 2MP USB Camera Module w/ OV2732

UC20MPH-Features

2 MP Resolution, High Frame Rate 1080P at 60fps

Plug-&-Play (UVC compliant)

USB 2.0 device with USB 2.0 cable

Specifications

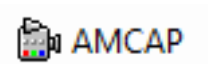
Image Device	1/4" CMOS OV2732
Pixel Size	2µm x 2µm
Resolution	2 MP FULL HD 1920(H) X 1080(V)
Output Format	MJPEG only
Shutter Type	Electronic rolling shutter
Focus	Manually adjustable
Focusing Range	20mm to Infinity
Protocol & Connection	Plug-&-Play (UVC compliant)
Frame Rate (Max)	320X240 QVGA MJPEG @ 60fps 640X360 MJPEG @ 60fps 640X480 VGA MJPEG @ 60fps 1280X720 HD MJPEG @ 60fps 1920X1080 FHD MJPEG @ 60fps
Minimum Illumination	0.5 Lux
IR-Cut Filter (IR Filter)	Default at 650nm, custom options at 850nm or 940nm.
Lens	Default 3.6mm Lens , Custom options 1.7mm, 2.0mm, 2.8mm, 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
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	5P PH 1.25mm socket, USB BUS Power
Cable Length	Default 1.2M (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

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

Power Consumption	DC5V (±5%), 150~200mA
Operating Temp.	-22°F~185°F (-30°C~+85°C)
Storage Temp.	-40°F~185°F (-40°C~+85°C)
Humidity	Less than 80%
Dimension in Millimeters	38mmx 38mm
Weight	Approx. 12Grams or 0.4Ounce

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