



## 14MP CMOS USB 3.0

### VCUSB3-14MPC Color

Ultra Resolution  
4348(H) x 3288(V)

#### Key Features

- USB3.0 Interface
- 14MP High Resolution
- 1/2.3" CMOS Sensor
- Max 12FPS (4348X3288 pixels)
- ROI 10MP 15FPS/ 5MP 32FPS / 1MP 102FPS
- 1.40umX1.40um pixel size
- 8bit / 10bit/ 12Bit RGB
- Dynamic Range 65db
- C-mount
- Operation Temp -0C to 40C

#### Applications

- AOI, SPI and 2D 3D inspection
- X-Y Measurements and X-ray inspections
- Microscopy
- Security



## Specifications:

Imager Sensor	1/2.3" CMOS Colour	
Effective pixels	4348H*3288V ( 1.4M )	
Resolution & Frame rate	4348*3288:12 fps	
	2592*1944 ( ROI ) : 32 fps	2048*1536 ( BIN ) : 28 fps
	1920*1082 ( BIN ) : 38 fps	1920*1082 ( ROI ) : 71 fps
	1024*768 ( ROI ) : 102 fps	800*600 ( SUM ) : 64 fps
	Random size ROI	
Pixel dimension	1.4µm*1.4µm	
Scanning mode	Progressive scan	
Shutter	Electronic rolling shutter	
Exposure time	0.02~300ms	
Image data format	8bit/10bit/12bit	
Sensitivity	0.724V/LUX-sec ( 550nm )	
Spectral response	400nm-650nm ( with IR-filter )	
SNR	35.5dB	
Dynamic range	65.5dB	
Exposure control	Auto exposure/Manual exposure/Area exposure	
White balance	Manual white balance/Once key white balance/Area white balance	
Programmable control	Camera working speed,image dimension,shootmode,image lightness,	
Support system	exposure time,gain,anti-flick,GAMMA,contrast,RGB gain,saturation,black	
Support interface	balance,sharpness	
Data interface	Windows XP(32-bit); Win7(32/64-bit)	
Product indicator	TWAIN , DirectShow	
Power consumption	USB3.0 5Gbps	
Power supply	LED constantly being on when power on and standing by and blink when working	
Working temperature	Work≤3.8W	
Storage temperature	USB5V ( Without external power supply circuit )	
Working humidity	0°C~45°C	
Storage humidity	-20°C~60°C	
Working humidity	10%-90%RH ( No condensation )	
Storage humidity	10%-60%RH	
Lens Mount	C mount	

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