

DigiRetina 500

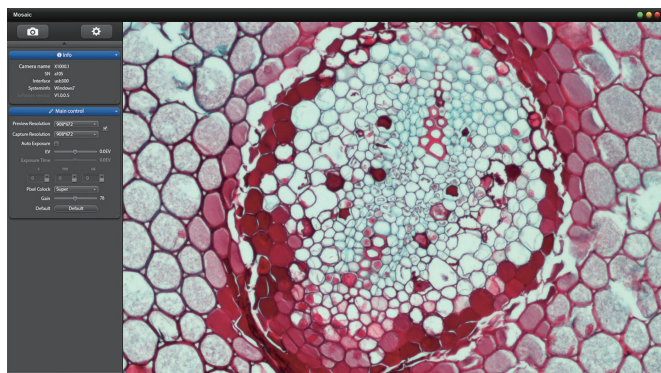
Skeleton Key for Microscope Imaging



> Key Feature

- With USB3.0 High-speed interface.
- With built-in auto exposure and auto white balance, capture good images without any adjust.
- With Built-in advanced image processing algorithms, 3D noise reduction and color temperature adjustment function.
- Support drive-free UVC (USB Video Class) devices, plug and play, fast and convenient.

> Working interface



> Technical Specification

camera	
Model	Digiretina 500
Sensor	CMOS sensor
Processor	Built-in ISP image processor
Sensor Size	1/2.5 inch(4:3)
Preview	2584x1936 /2040x1528 /1592x1192 /1016x760
Capture	2584x1936 /2040x1528 /1592x1192 /1016x760
Pixel Size	2.2 μ m x2.2 μ m
Color Mode	Color
Color Depth	24 bit
Conversion	12bit input,8bit output
White Balance	Manual/Auto
Dynamic	66.5dB
Frame Rate	35fps (0.8MP,1016x760) 30fps (2MP, 1592x1192) 23fps (3MP, 2040x1528) 14fps (5MP,2584x1936)
Noise Reduction	Real-time 3D Noise Reduction
Color Temp.	1800K-10000K
Exposure	Manual/Auto
Time Range	1ms-995ms
Shutter	Rolling shutter
Optical Por	Standard C-mount
Data Port	USB3.0/5Gb/s(Compatible with USB2.0)
Data Format	jpg,png,tif,raw
Software	TCapture/Mosaic
System	Windows/Linux/Mac
General	
Power Supply	USB Power Supply
Temperature	0-60°C
Storage	-20-70°C
Humidity	45%-85%

> contact us



Tucsen Photonics Co., Ltd.

Address: 6F NO.1 building Cai mao Zone ,756# Qi' an Road,
Gaishan Town, Cangshan Area, Fuzhou, Fujian, P. R. CHINA
Tel: 0086-591-88194580 Website: www.tucsen.com
Email: support@tucsen.com sales@tucsen.com