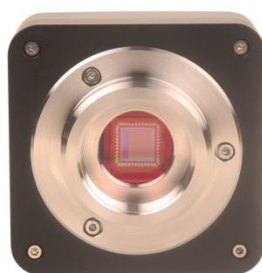


INTRODUCTION

ACUCAL Microscopy cameras are particularly remarkable for their fast live images, short reaction times, high resolution and clear contrast. And they are compatible with almost all microscopes. Our product range covers digital Microscope Cameras with intuitive software for archiving, measurement, analysis and presentation. 100% reproducibility of the exposures and highly convenient remote control of the cameras and ensure a fast and economical workflow.



FEATURES

- Standard C-mount CCD Sensor Color Camera.
- No compression, no interpolation.
- Support still Color image capture(JPEG, BMP, TIFF, PNG, TGA, TIF, DICOM) & Video Recording.
- USB3.1 Type C interface , no need of external power.
- Interfaced to a computer via USB technology for rapid image download.
- Plug-to-use, suitable for shooting of any standard Biological, Stereo and Metallurgical microscopes to handle Bright Field, Dark Field, Phase Contrast & Fluorescence Image.
- Ease of operation; only take 5 minutes to master the friendly software.
- Standard C-Mount makes connection to any microscope easy.
- Integrated zinc aluminum alloy housing.
- Ultra-Fine color engine with perfect color reproduction capability.
- With advanced video & image processing application.
- Windows/Linux/macOS/Android multiple platform SDK.

FIELDS OF APPLICATION

Materialography
Quality Control
Pathology

Inspection Industry
Geology
Forensic

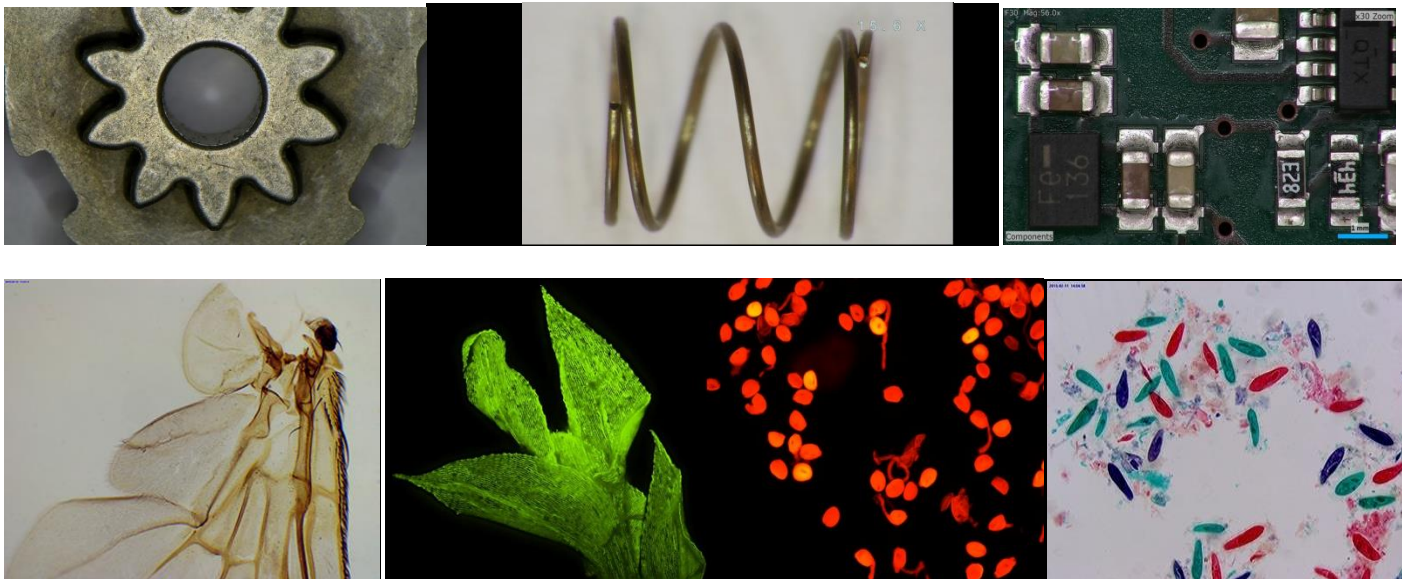
Petrography
Mineralogy
Cell Biology



SPECIFICATION

Parameters	ACUCCD-8.3MP
Image Sensor	1/1.8" (7.68*4.32) , 8.3 Megapixel Color SONY CCD Sensor
Frame Rate	30 fps at High Resolution to 60fps (Full HD)
Resolutions	3840 X 2160 (Ultra HD) & 1920*1080 (Full HD)
Pixel Size	2.4 μm x 2.4 μm
Signal/Noise	40.5 dB
Dynamic Range	66.5 dB
Binning	1x1 & 2x2
Sensitivity	0.53V/lux-sec 550nm
Scan Mode	Progressive Scan
Power Requirement	USB bus power
Operating Temperature	0° C to +60° C
Operating Humidity	30%-80%, Non-condensing
Exposure Time	0.013 ms to 15s
Auto Exposure & White Balance	Automatic / Manual
Bit Depth	10/12 bit
Gain	1-24
Quantum Efficiency	60%
Gain Programmable	Interface Connector Standard USB 3.1 high-speed interface
Shutter	Electronic Rolling

EXCELLENCE THROUGH EXPERIENCE



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