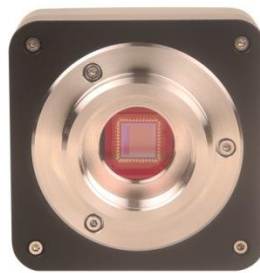
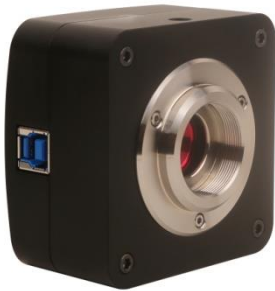


INTRODUCTION

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 CMOS 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	ACUCAM-8.3MPA	ACUCAM-8.3MPB
Image Sensor	1/1.8" (7.68*4.32) , 8.3 Megapixel Color SONY CMOS Sensor	1/1.2"(11.14*6.26) , 8.3 Megapixel Color SONY CMOS Sensor
Frame Rate	30 fps at High Resolution to 60fps (Full HD)	45 fps at (Ultra HD) to 70fps at (Full HD)
Resolutions	3840 X 2160 (Ultra HD) & 1920*1080 (Full HD)	3840 X 2160 (Ultra HD) & 1920*1080 (Full HD)
Pixel Size	2.4 μm x 2.4 μm	2.9 μm x 2.9 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	12 bit	
Quantum Efficiency	60%	
Gain Programmable	Interface Connector Standard USB 3.1 high-speed interface	
Shutter	Electronic Rolling	

EXCELLENCE THROUGH EXPERIENCE



ACUCAL SERVICES

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