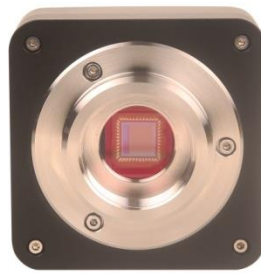
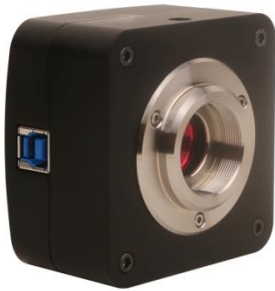


INTRODUCTION

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 SONY Exmor Back illuminated CMOS Sensor Camera.
- No compression, no interpolation.
- Support still Color & Mono 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

Patrography
Mineralog
Cell Biology



SPECIFICATION

Parameters	ACUCAM-9MPA	ACUCAM-9MPB
Image Sensor	1" (14.13*7.45) , 9.0 Megapixel SONY Back Illuminated CMOS Sensor	1" (11.31*11.28) , 9.0 Megapixel SONY Back Illuminated CMOS Sensor
Frame Rate	34 fps at full Resolution to 60fps	40 fps at full Resolution to 186fps
Resolutions	4096x2160 2048x1080	3008x3000 1488x1500 992x998
Pixel Size	3.45 μm x 3.45 μm	3.76 μm x 3.76 μm
Signal/Noise	40.5 dB	
Dynamic Range	66.5 dB	
Binning	1x1 & 2x2	1x1 2x2 & 3x3
Sensitivity	1146 mv with 1/30s	535 mv with 1/30s
Scan Mode	Progressive Scan	
Power Requirement	USB bus power	
Operating Temperature	0° C to +60° C	
Operating Humidity	30%-80%, Non-condensing	
Exposure Time	0.01 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	Global Shutter	Electronic Rolling

EXCELLENCE THROUGH EXPERIENCE



ACUCAL SERVICES

901A/6 , Ashok Vihar

Ambala City-134003

Web: www.acucalservices.com

