

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 Colour SONY CMOS Sensor Camera
- No compression, no interpolation.
- Support still image capture(JPEG, BMP, TIFF, PNG, TGA, TIF, DICOM) & Video recording.
- USB 3.1 interface , up to 480MPS, external power no need.
- Interfaced to a computer via USB3.1 for attaching camera to desktop/ through single wire with suitable C-mount camera adapter for rapid image download.
- Plug-to-use, suitable for imaging of any standard Biological, Stereo and Metallurgical microscopes for observations, such as bright field, DIC, phase contrast and fluorescence.
- Ease of operation; only take 5 minutes to master the friendly software.
- Standard 0.55x C-Mount makes connection to any microscope easy.
- Integrated zinc aluminum alloy housing;
- Ultra-Fine color engine with perfect color reproduction capability;
- With advanced/ delayed video & image processing application
- Windows/Linux/macOS/Android/Windows 10 - 64 Bit OS multiple platform SDK;
- Bundled with Imaging Software like intelligent 12-bit ISP Color reproduction

FIELDS OF APPLICATION

Materialography
Veterinary
Pathology

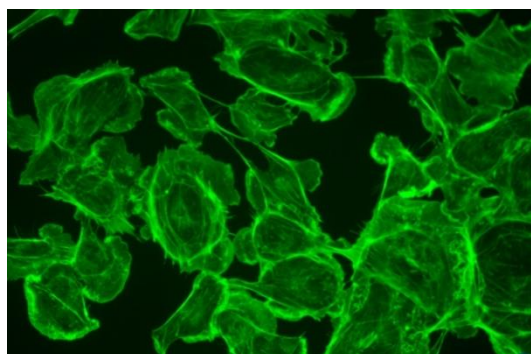
Inspection Industry
Geology
Forensic

Patrography
Mineralogy
Cell Biology

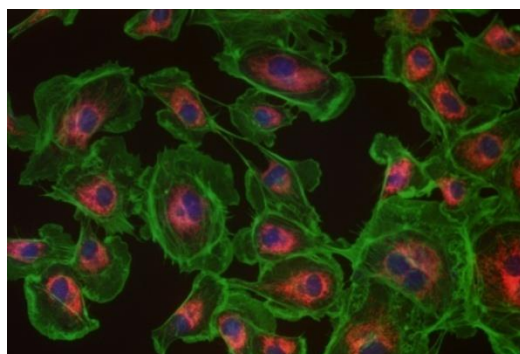
SPECIFICATION

Parameter	ACUCAM-6.3 MPA	ACUCAM-6.3 MPB
Image Sensor	SONY , CMOS, Color, 1/1.2" Chip Size	SONY , CMOS, Color, 1/1.8" Chip Size (6.91 x 4.92 mm)
Frame Rate	59 fps at 3072 X 2048 59 fps at 1536 X 1024	59 fps at 3072 X 2048 59 fps at 1536 X 1024
Max. Resolution	6.3 Mega Pixels (3072 X 2048)	
Pixel Size	2.9 μm x 2.9 μm	2.4 μm x 2.4 μm
Colour Temp	2000-15000K and 12 Bit ADC Depth	
Dynamic Range	66.5 dB	72 dB
Digital Output	8,10 and 16-bit	
A/D Conversion	12 bit ISP colour reproduction	
Quantum Efficiency	65%	
Read Noise	8 e- rms	
Sensitivity	0.53V/lux-sec 550nm	
Scan Mode	Progressive Scan	
Power Requirement	PC USB bus power DC 5V+5%	
Operating Temperature	0° C to +60° C	
Operating Humidity	5%-100%, Non-condensing	
Exposure Time	0.1 ms to 30 sec	
Exposure Control	Automatic / Manual	
White Balance	Automatic / Manual	
Gain Programmable	Interface Connector Standard USB 3.1 high-speed interface	
Shutter	Electronic Rolling	

EXCELLENCE THROUGH EXPERIENCE



Green Fluorescent Image



Fused Fluorescent Image

ACUCAL SERVICES

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