ULTRACAM
ULTRACMOS Series C-mount adatper USB3.0 CMOS Camera

ultracam 18 M.P Camera
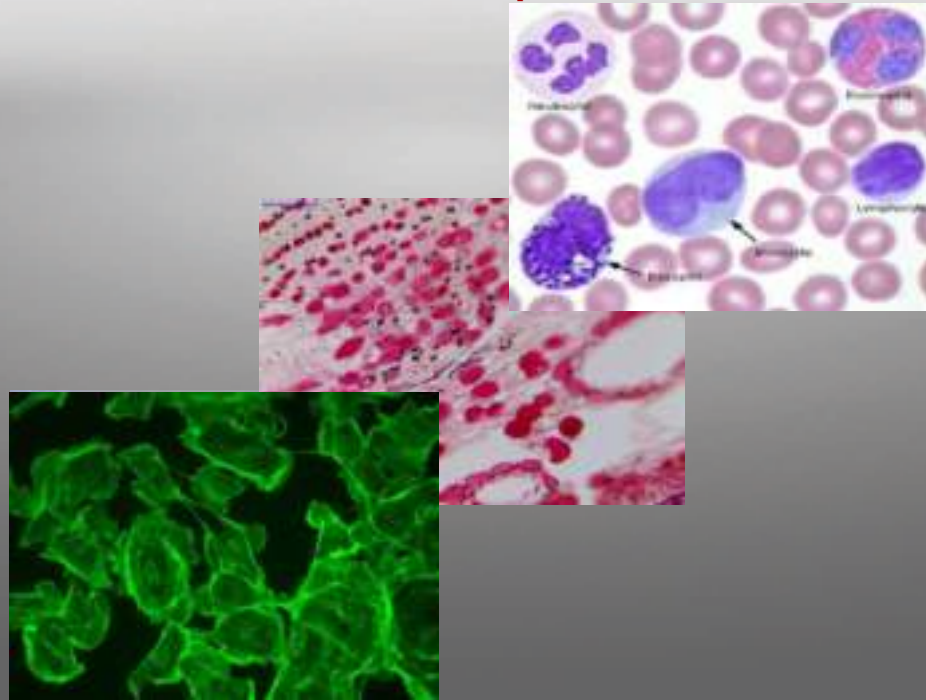
ULTRACMOS: camera is an ultra-high performance CMOS camera and it adopts ultra-high performance CMOS sensor as the image-picking device. USB3.0 is used as the data transfer interface.

ULTRACMOS comes with advanced video & image processing application ultracam; Providing Windows/Linux/OSX multiple platform SDK; Native C/C++, C#/VB.NET, DirectShow, Twain Control API

The ULTRACMOS can be widely used in brightfield light environment and microscope image capture and analysis with moderate frame rate. A/D Converter 12 bits. Exposure: Automatic and manual

Model no.	Sensor & Size(mm)	Pixel(μm)	G Responsivity Dynamic range SNRmax	Binning	Exposure
QU3CMOS18000KPA	1/.23	1.25x1.25	425mv with 1/30s 0.15mv with 1/30s	1x1, 2x2	22 μs–1 s

- Capable to acquire: BF, PH, DIC ,DF& Florescence imaging microscope.USB3.0

FPS. 10.5 fps at 4,912 × 3,684 pixels (4:3), 23.6 fps at 2,456 × 1,842 pixels (4:3), 45 fps at 1,224 × 920 pixels (4:3), 14 fps at 4,912 × 2,762 pixels (16:9), 25 fps at 3,840 × 2,160 pixels (4K UHD 16:9), 31 fps at 1,920 × 1,080 pixels (Full HD 16:9), 59 fps at 1,224 × 688 pixels (16:9)

Other Specification for UCMOS Camera

Spectral Range	380-650nm (with IR-cut Filter)
White Balance	ROI White Balance/ Manual Temp Tint Adjustment/NA for Monochromatic Sensor
Color Technique	Ultra-Fine^{TM} Color Engine/NA for Monochromatic Sensor
Capture/Control API	Native C/C++, C#/VB.NET, DirectShow, Twain and Labview
Recording System	Still Picture and Movie
Cooling System*	Natural
Operating Environment	
Operating Temperature(in Centidegree)	-10~ 50
Storage Temperature(in Centidegree)	-20~ 60
Operating Humidity	30~80%RH
Storage Humidity	10~60%RH
Power Supply	DC 5V over PC USB Port
Software Environment	
Operating System	Microsoft® Windows® XP / Vista / 7 / 8 /10 (32 & 64 bit) OSx(Mac OS X) Linux
PC Requirements	CPU: Equal to Intel Core2 2.8GHz or Higher
	Memory:2GB or More
	USB Port:USB2.0 High-speed Port
	Display:11" or larger upto 72"
	CD-ROM

The possible applications of ULTRACAM are as follows:

- Scientific research, education (teaching, demonstration and academic exchanges)
- Digital laboratory, medical research
- Industrial visual (PCB examination, IC quality control)
- Medical treatment (pathological observation)
- Food (microbial colony observation and counting)
- Aerospace, military (high sophisticated weapons)

Optional Accessories

C-MOUNT Adapter

QUALITY SCIENTIFIC & MECHANICAL WORKS

Distributor:

www.quasmoindianmicroscope.com