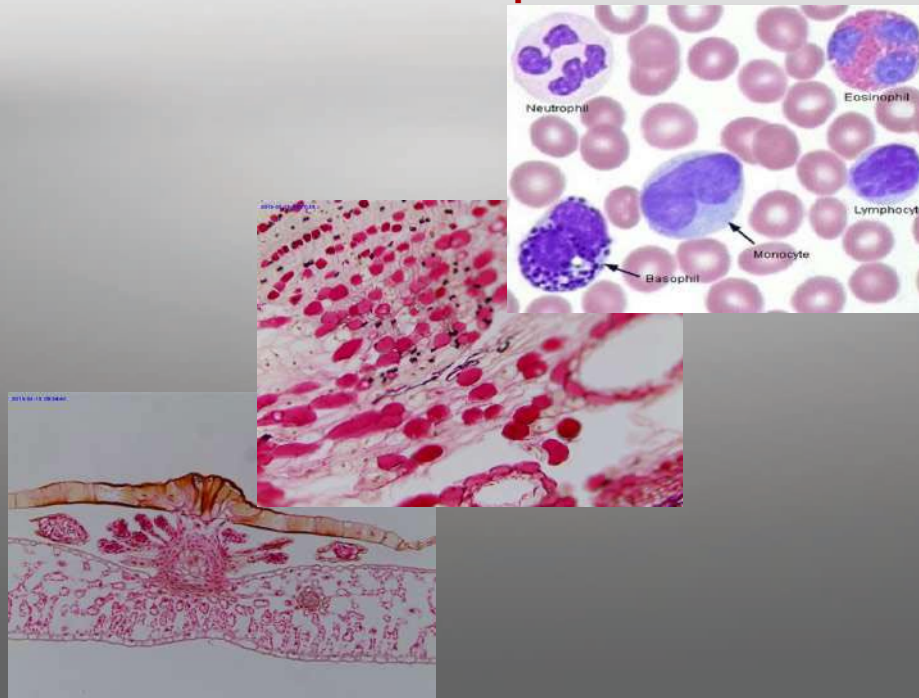# ULTRACAM
ULTRACMOS Series C-mount adatper CMOS Camera

20 M.P

ULTRACMOS: camera is an ultra-high performance CCD camera and it adopts ultra-high performance CCD sensor as the image-picking device. USB is used as the data transfer inte rface.

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.

Model no.	Sensor & Size	Pixel(μm)	G Responsivity Dynamic range SNRmax	FPS/Resolution	Binning	Exposure
UltracamIP120000A UE3ISPM20000KPA	20M/IMX183(C) 1 "(13.06x8.76)	5.8x 5.8um	A: 2650LSB B: 2650LSB C: 2650LSB D: 2650LSB (Gain = 0dB)	15@5440x3648 50@2736x1824 60@1824x1216	1x1, 1x1, 2x2 ,2x2 3x3	0.1ms-15s

Other Specification for   CMOSCamera

Spectral Range	300-650nm (with IR-cut Filter)
White Balance automatic	ROI White Balance/ Manual Temp Tint Adjustment and for use as projection system
Color Technique	Ultra-Fine^{TM} Color Engine/NA for Monochromatic Sensor
Capture/Control API	Native C/C++, C#/VB.NET, DirectShow, Twain and Labview Digital output into a compatible laptop
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

#84, HSIIDC, Industrial Estate, Ambala Cantt 133001, Haryana(INDIA)
Email: sales@quasmoindianmicroscope.com & quasmo.mechanical@gmail.com
Phone : 9215617707, 8926666632

Distributor:

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