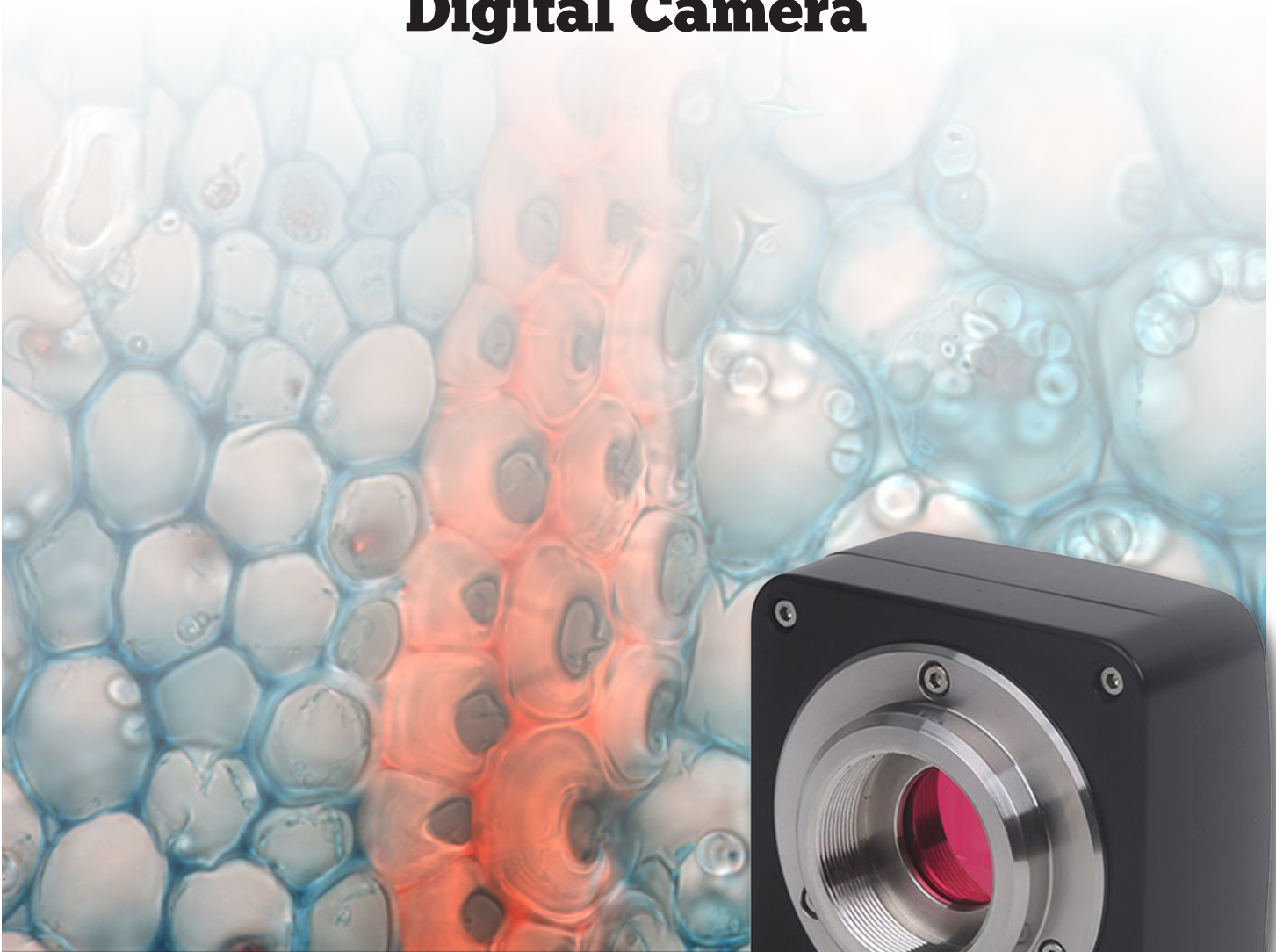




**LC-37**

**5.1MP USB2.0 CMOS Microscope  
Digital Camera**



## LC-37 - 5.1MP USB2.0 CMOS Microscope Digital Camera

LC-37 - 5.1MP USB2.0 CMOS Microscope Digital Camera adopts ultra-high performance CMOS sensor as the image-capture device. USB2.0 is used as the data transfer interface.

LC-37 - 5.1MP USB2.0 CMOS Microscope Digital Camera hardware resolution is 5.1MP and comes with the zinc aluminum alloy compact housing.

LC-37 - 5.1MP USB2.0 CMOS Microscope Digital Camera comes with advanced video & image processing application ImageView; Providing Windows/Linux/OSX multiple platform SDK; Native C/C++, C#/VB.NET, DirectShow, Twain Control API; The LC-37 - 5.1MP USB2.0 CMOS Microscope Digital Camera can be widely used in bright field light environment and microscope image capture and analysis with moderate frame rate.

### FEATURES

The basic features of LC-37 cameras are as follows:

1. Standard C-Mount with Aptina CMOS sensor;
2. With hardware resolution is 5.1M;
3. Durable zinc aluminum alloy housing;
4. USB2.0 interface ensuring high speed data transmission;
5. Ultra-Fine™ color engine with perfect color reproduction capability;
6. With advanced video & image processing application ImageView;
7. Providing Windows/Linux/Mac OS multiple platforms SDK;
8. Native C/C++, C#/VB.NET, DirectShow, Twain Control API.

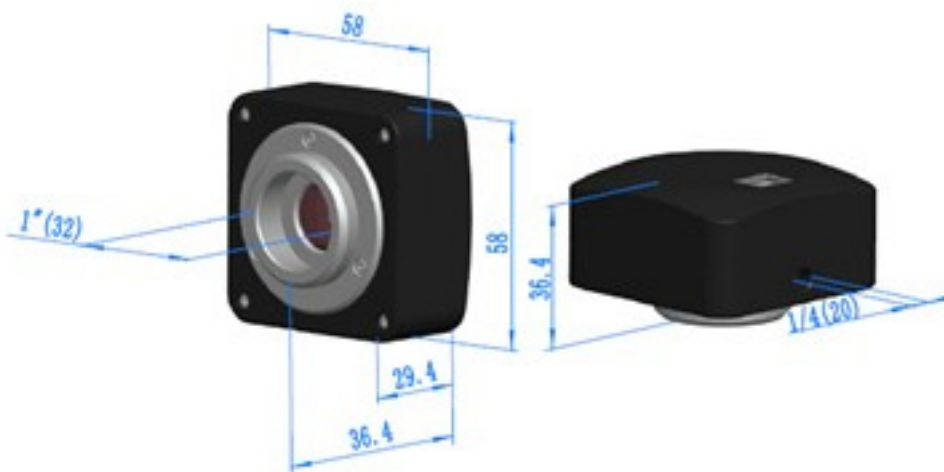
### SPECIFICATION

<b>Model</b>	<b>LC-37</b>
Sensor & Size(mm)	5.1M/MT9P001© 1/2.5" (5.7x4.28)
Pixel(μm)	2.2x2.2
G Responsivity	0.53 V/lux-sec
Dynamic range	66.5dB
SNRmax	40.5dB
FPS/Resolution	5@2592x1944 18@1280x960 60@640x480
Binning	1x1, 2x2, 4x4
Exposure	0.294ms~2000ms
<b>Other Specification for LC-37</b>	
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™ 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 Centigrade)	-10~ 50
Storage Temperature (in Centigrade)	-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

## DIMENSION

The LC-37 - 5.1MP USB2.0 CMOS Microscope Digital Camera body, made from tough, zinc alloy, ensures a heavy duty, workhorse solution. The camera is designed with a high quality IR-CUT to protect the camera sensor. No moving parts included. These measures ensure a rugged, robust solution with an increased lifespan when compared to other industrial camera solutions.




**PACKING INFORMATION**

Standard Camera Packing List		
A	Carton L:52cm W:32cm H:33cm (20pcs, 12~17Kg/ carton), not shown in the photo	
B	Gift box L:15cm W:15cm H:10cm (0.5~0.55Kg/ box)	
C	LC-37 USB2.0 C-mount CMOS camera	
D	High-speed USB2.0 A male to B male gold-plated connectors cable /2.0m	
E	CD (Driver & utilities software, Ø12cm)	
Optional Accessory		
F	Adjustable lens adapter	C-mount to Dia.23.2mm eyepiece tube (Please choose 1 of them for your microscope)
		C-mount to Dia.31.75mm eyepiece tube (Please choose 1 of them for your telescope)
G	Fixed lens adapter	C-mount to Dia.23.2mm eyepiece tube (Please choose 1 of them for your microscope)
		C-mount to Dia.31.75mm eyepiece tube (Please choose 1 of them for your telescope)
		Note: For F and G optional items, please specify your camera type (C-mount, microscope camera or telescope camera), engineer will help you to determine the right microscope or telescope camera adapter for your application;
H	108015(Dia.23.2mm to 30.0mm Ring)/adapter rings for 30mm eyepiece tube	
I	108016(Dia.23.2mm to 30.5mm Ring)/ adapter rings for 30.5mm eyepiece tube	
J	108017(Dia.23.2mm to 31.75mm Ring)/ adapter rings for 31.75mm eyepiece tube	
K	Calibration kit	106011/TS-M1(X=0.01mm/100Div.);
		106012/TS-M2(X,Y=0.01mm/100Div.);
		106013/TS-M7(X=0.01mm/100Div., 0.10mm/100Div.)



**EXTENSION**

Extension	Picture	
C-mount Camera		Machine vision; Medical imaging; Semiconductor equipment; Test instruments; Document scanners; 2D barcode readers; Web camera and security video; Microscope imaging;
Microscope Camera	