











LC-2 USB3.0 Eyepiece Camera

LC-2 USB3.0 Eyepiece Camera is an economic version with simple and compact structure USB3.0 CMOS eyepiece camera. USB3.0 is used as the data transfer interface. Microscope eyepiece camera with 23.2 diameter and compact size;

The LC-2 USB3.0 Eyepiece Camera comes with high-speed USB3.0 interface and high frame rate video display keep the screen smooth without interruption; Also the LC-2 USB3.0 Eyepiece Camera comes with advanced video & image processing application ImageView.



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APPLICATION

The LC-2 USB3.0 Eyepiece Camera can be widely used to transfer the mono or binocular student microscopes to digital microscope.

With 23.2 to 30mm or 23.2 to 30.75 convert ring, the **LC-2 USB3.0 Eyepiece Camera** camera can also change the stereo microscope to digital stereo microscope



FEATURES

- 1. Microscope eyepiece camera with 23.2 diameter and compact size;
- 2. Easy to extend to C or CS- Mount camera with high quality lens(optional);
- 3. High-quality camera with Aptina CMOS sensor;
- 4. Auto white balance and auto-exposure; Brightness, contrast, chroma, and saturation can be adjusted;
- 5. High-speed USB3.0 interface and high frame rate video display keep the screen smooth without interruption;
- 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.





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SPECIFICATION

Model LC-2

Sensor & Size 5.0M/MT9P001(Color)

1/2.5"(5.70x4.28)

Pixel(μ m) 2.2x2.2

G Responsivity 0.53 V/lux-sec

Dynamic range 66.5dB SNRmax 40.5dB

FPS/Resolution 15@2560x1920

15@2048x1536 30@1920x1080

Binning 1x1, 2x2 Exposure Auto

Spectral Range 380-650nm (with IR-cut Filter)

White Balance Auto White Balance

Color Technique N/A

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) $-10 \sim 50$ Storage Temperature(in Centidegree) $-20 \sim 60$ Operating Humidity $30 \sim 80\%$ RH Storage Humidity $10 \sim 60\%$ RH

Power Supply DC 5V over PC USB3.0 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

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USB Port: USB3.0 High-speed Port

Display: 17" or Larger

CD-ROM

DIMENSIONS

The **LC-2 USB3.0 Eyepiece Camera** body, made from aluminum alloy blackening, ocular housing: Dia.32 X 56mm ensures a heavy duty, workhorse solution. The camera is designed with a high quality IR-CUT filter to filter the infrared light and protect the camera sensor. No moving parts included. This design ensures 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 (0.25~0.35Kg/box)
- C MDE4 series camera
- D High-Speed USB3.0 USB315-ATA | USB 3.0 A Male to A Male Cable,1.5m
- E CD (Driver & utilities software, Ø8cm)

Optional Accessory

- F C-Mount Adapter Housing:108027(HS502)
- G 108015(Dia.23.2mm to 30.0mm Ring)/Adapter rings for 30mm eyepiece tube
- H 108016(Dia.23.2mm to 30.5mm Ring)/ Adapter rings for 30.5mm eyepiece tube
- I 108017(Dia.23.2mm to 31.75mm Ring)/ Adapter rings for 31. 75mm eyepiece tube
- J 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.)

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