

OPTO EDU A59.2205 Microscope Accessories for Imaging and Precision Analysis in Scientific Research and Industrial

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A59.2205
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month



Product Specification

- Applications: Microscope
- Certification: CE|Rohs
- Output: USB 2.0
- Product Name: Microscope Accessories
- Resolution: 350K Pixels
- Sensor: CMOS
- Highlight: Scientific Research Microscope Accessories, Precision Analysis Microscope Accessories, Industrial Microscope Accessories



More Images





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OPTO-EDU

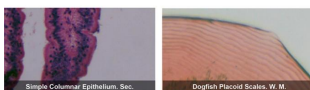
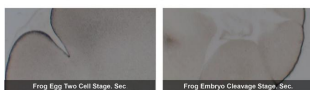
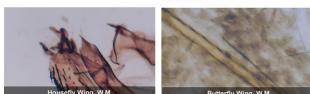


A59.2205 Features & Sample Pictures

OPTO-EDU



- USB2.0 Compact Digital Eyepiece Camera With Aptina CMOS Resolution 2.1M-12M
- Easy To Extend to C or CS Mount Camera, Works On Microscope Eyepiece Tube or Video Port
- High-speed USB2.0 Interface And High Frame Rate Video Display Keep Screen Smooth
- Auto White Balance, Auto-exposure, Brightness, Contrast, Chroma & Saturation Can Be Adjusted
- With Advanced Video & Image Processing Software Image View, Support SDK For Win/ Linux/ Mac/ Android



A59.2205 Specification



Order Code Sensor & Size(mm) Pixel Size Sensitivity Dynamic range SNRmax FPS Resolution Binning Exposure

The New SCMOS after Jan. 2020 (10)

12MPA	12M/IMX577© 1/2.3" (5.95x4.71)	1.55x1.55	250LSB 70dB 43dB	20@3840x3040 1x1 20@1920x1520 1x1 20@960x760 1x1	0.1-2000 ms
0.92MPA	0.92M/OV9732© 1/4" (3.888x2.208)	3x3	2.066V/lux-sec 72dB@8x gain 39dB	30@1280x720 1x1 30@640x360 1x1	0.1ms~650ms
8.3MPA	8.3M/IMX274© 1/2.5" (6.22x3.50)	1.62x1.62	236mV 70dB 43dB	30@3840x2160 1x1 30@1920x1080 1x1 30@1280x720 1x1 30@960x540 1x1	0.1-2000 ms
5.1MPA	5.1M/AR0521© 1/2.5" (5.70x4.28)	2.2x2.2	18.8ke-/lux 73dB 40dB	30@2592x1944 1x1 30@1280x960 1x1 30@640x480 1x1	0.1-1000 ms
5.1MPB	5.1M/IMX335© 1/2.8" (5.18x3.89)	2.0x2.0	505mV 70dB 43dB	26@2592x1944 1x1 26@1280x960 1x1 26@640x480 1x1	0.1-2000 ms
3.1MPA	3.1M/Aptina© 1/2.5" (5.73x4.3)	2.8x2.8	18.8ke-/lux 73dB 40dB	30@2048x1536 1x1 30@1024x768 1x1	0.1-1000 ms
2.1MPA	2.1M/IMX307© 1/2.8" (5.73x4.3)	2.9x2.9	1300mV 73dB 43dB	38@1920x1080 1x1 38@960x540 1x1	0.1-2000 ms
8.3MPB	8.3M/IMX415© 1/2.8" (5.57x3.13)	1.45x1.45	300mV 70dB 44dB	30@3840x2160 1x1 30@1920x1080 1x1 30@1280x720 1x1 30@960x540 1x1	0.1-2000 ms
2.1MPB	2.1M/SC2332 © 1/3" (5.18x2.92)	2.7x2.7	4510mV/lux-s 74dB 38.5dB	30@1920x1080 1x1 30@960x540 1x1	0.1-2000 ms

Remark: C - Color, M-Monocolor, GS-GS Shutter

OTHER HARDWARE CONFIGURATION

Spectral Range	380-650nm (with IR-filter)
White Balance	Auto/ROI/Manual White Balance
Color Rendering Tech.	N/A
Capture/Control SDK	Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc);

Recording System	Still Picture and Movie
Cooling System*	Natural

OPERATING ENVIRONMENT

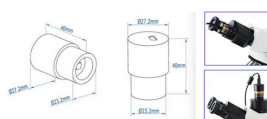
Operating Temperature	-10 °C~ 50 °C
Storage Temperature	-20 °C~ 60 °C
Operating Humidity	30~80%RH
Storage Humidity	10~60%RH
Power Supply	DC 5V over PC USB Port

SOFTWARE ENVIRONMENT

Operating System	Support Microsoft Windows XP / Vista / 7 / 8 / 10(32 & 64 bit) OS X (Mac OS X), Linux CPU: Equal to Intel Core2 2.8GHz or Higher Memory: 2GB or More
PC Requirements	USB port: USB2.0 High-speed Port Display: 17" or Larger CD-ROM

Dimension of A59.2205 Series Camera

A59.2205 series camera body, made from aluminum alloy blackening, ocular ousing: Dia.27.2 X 40mm 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.



A59.2205 Packing List



Packing List of A59.2205 Series Camera

Standard Outfit

A	Carton L:52cm W:32cm H:33cm (50pcs, 12~17Kg/ carton), not shown in the photo
B	Gift box L:14.5cm W:9.5cm H:6.0cm (0.15~0.15Kg/ box)
C	Digital eyepiece camera
D	High-Speed USB2.0 A male to mini B 5-pin male gold-plated connectors cable /1.5m
E	CD (Driver & utilities software, Ø8cm)

Optional Accessory

F	C-Mount Adapter Housing	A59.2205-C
G	Adaptor Rings Dia.23.2mm to 30.0mm For 30.0mm Microscope Eyepiece Tube	A55.2203-30
H	Adaptor Rings Dia.23.2mm to 30.5mm For 30.5mm Microscope Eyepiece Tube	A55.2203-30.5
I	Adaptor Rings Dia.23.2mm to 31.75mm For 31.75mm Telescope Eyepiece Tube	
J	Calibration Stage Micrometer	X=0.01mm/100Div. X,Y=0.01mm/100Div X=0.01mm/100Div., 0.10mm/100Div

Multi-angle Display



OPTO-EDU How Camera Connect To Microscope

