SCMOS Series USB2.0 CMOS Eyepiece Camera

SCMOS is an economic version with simple and compact structure CMOS eyepiece camera. So here, the S means simple and compact. USB2.0 is used as the data transfer interface.

Microscope eyepiece Camera with 23.2 diameter and compact size;

The SCMOS eyepiece Camera comes with high-speed USB2.0 interface and high frame rate video display keep the screen smooth without interruption;

Also the SCMOS comes with advanced video & image processing application ToupView;

The SCMOS can be widely used to transfer the mono or binocular student microscops to digital microscope.

With 23.2 to 30mm or 23.2 to 30.75 convert ring, the SCMOS Camera can also change the stereo microscope to digital stereo microscope.

- Microscope eyepiece Camera with 23.2 diameter and compact size;
- Easy to extend to C or CS- Mount Camera with high quality lens(optional);
- High-quality Camera with Aptina CMOS sensor;
- Auto white balance and auto-exposure; Brightness, contrast, chroma, and saturation can be adjusted;
- High-speed USB2.0 interface and high frame rate video display keep the screen smooth without interruption;
- With advanced video & image processing application ToupView;
- Custom programmable with SDK provided;

Related Models

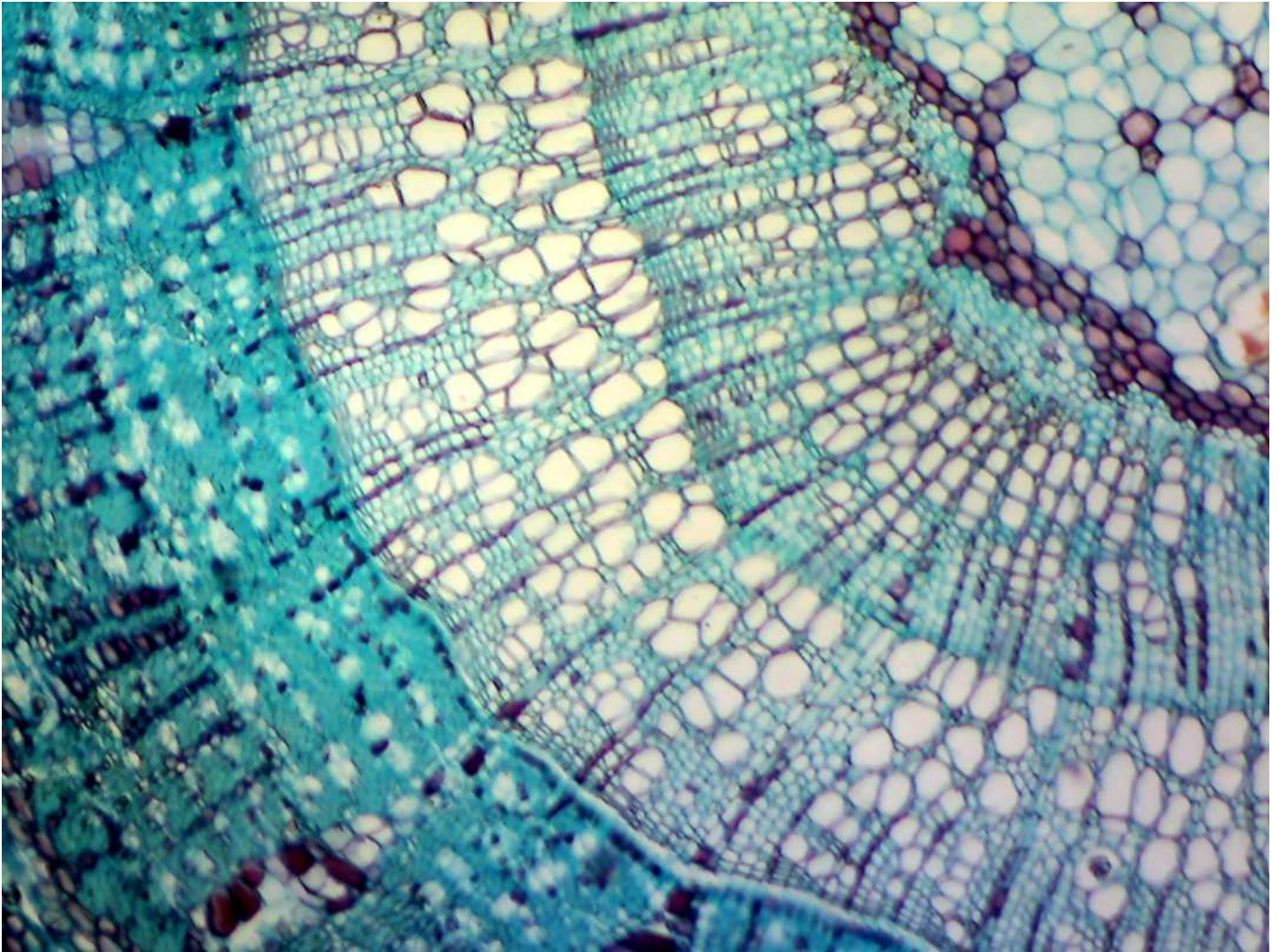| Order Code	Sensor & Size(mm)	Pixel(µm)	G Responsivity Dynamic range SNRmax	FPS/Resolution	Binning	Exposure
The New SCMOS after Jan. 2020 (10)						
SCMOS12000KPA	12M/IMX577(C) 1/2.3" (5.95x4.71)	1.55x1.55	250LSB 70dB 43dB	20@3840x3040 20@1920x1520 20@960x760	1x1 1x1 1x1	0.1-2000 ms

specification

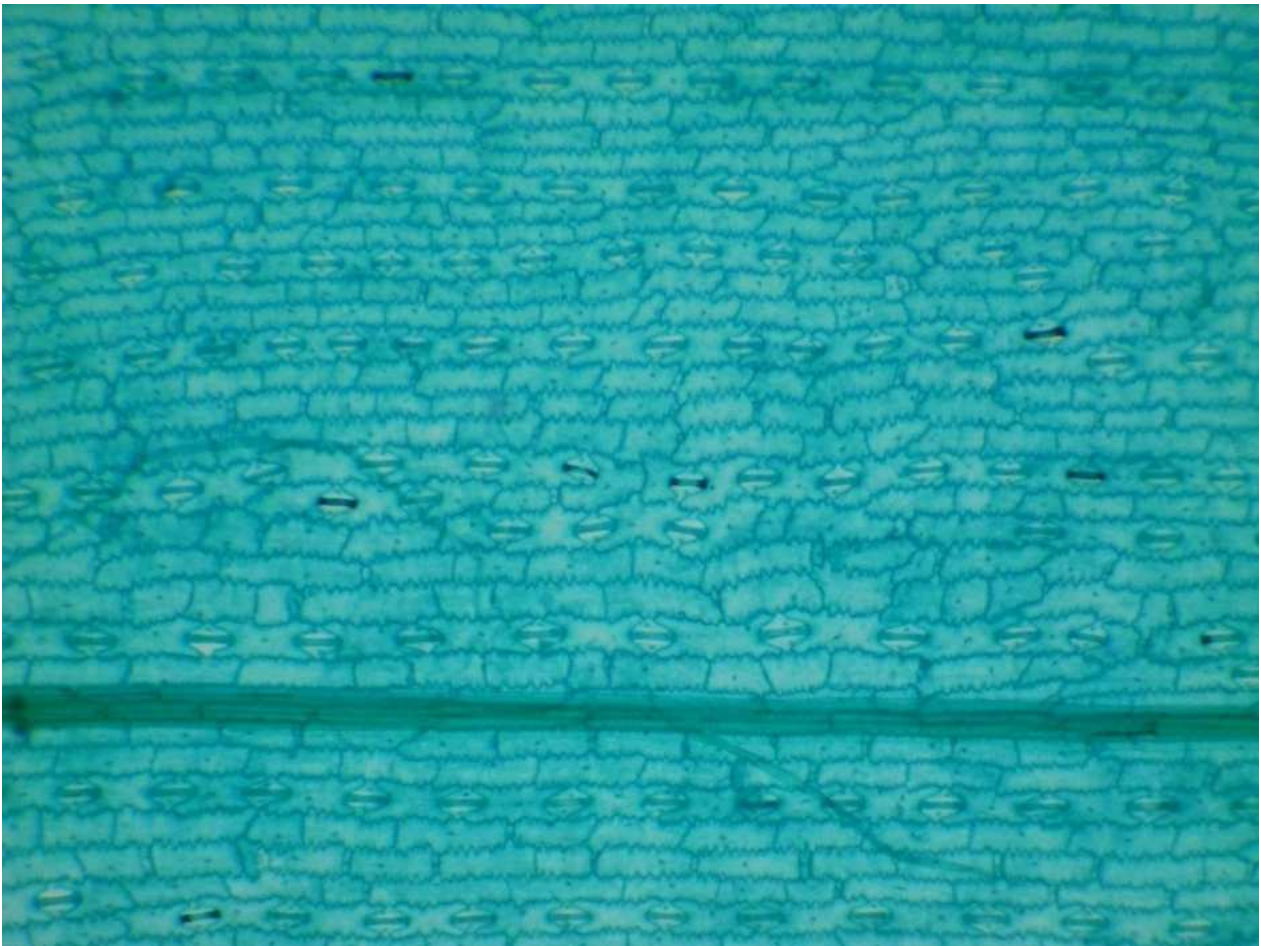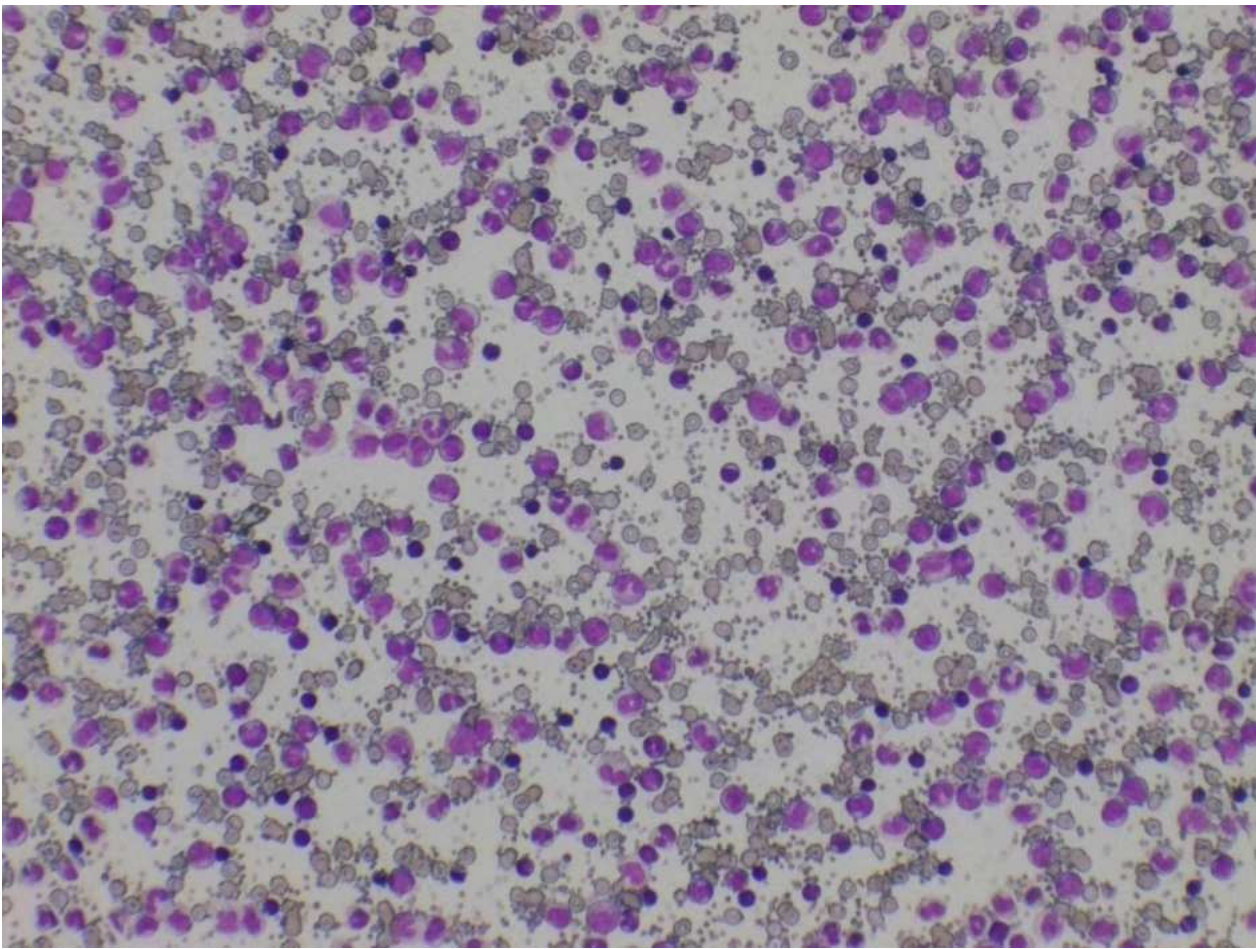| Other Specification	
Spectral Range	380-650nm (with IR-cut Filter)
White Balance	Auto/ROI/Manual White Balance(New Model) Auto(Products before 2020)
Color Technique	N/A
Capture/Control SDK	Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc)
Recording System	Still Picture and Movie
Data Format	MJPEG
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 /11 (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:17" or Larger
	CD-ROM

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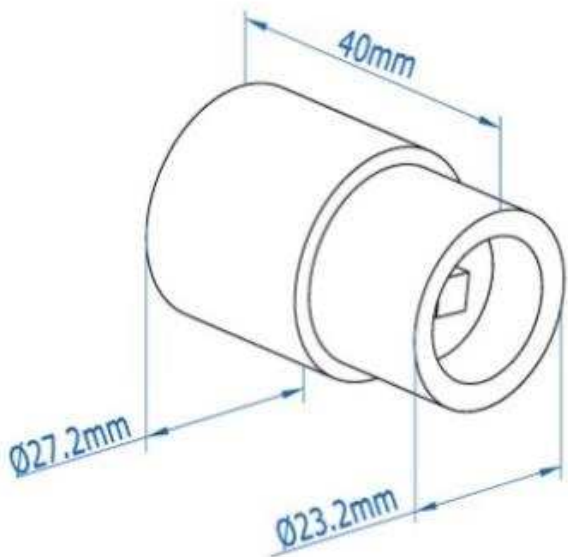
Instance

SCMOS Camera Dimensions

Packing List

Packing Information of SCMOS Series

Standard Camera Packing List		
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 (0.15~0.16Kg/ box)	
C	One SCMOS series 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: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.)