OPTO-EDU A59.2223 Hdmi Wifi Sd 1080p Digital Camera 5.0m Mouse Measure

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A59.2223
- 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
- USB Mouse: USB Mouse, Or USB WIFI
- SD: SD Card Slot
- LED: Power On Indicator
- ON/OFF: Power On/Off Switch
- HDMI: HDMI Output, Mouse Control & Measure Function
- Highlight: **wifi 1080p digital camera**, **sd 1080p digital camera**, **5.0m hdmi digital camera**
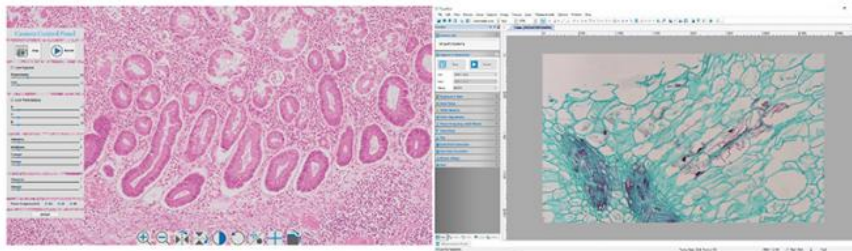
Product Description

A59.2223 is a multiple interfaces HDMI+WiFi+SD CMOS camera and it adopts ultra-high performance Sony CMOS sensor as the image-picking device. HDMI+WiFi are used as the data transfer interface to HDMI display or computer.
For HDMI output, The XCamView will be loaded and a camera control panel and toolbar are overlaid on the HDMI screen, in this case, the USB mouse can be used to set the camera, browse and compare the captured image, play the video ital.
For WiFi output, unplug the mouse and plug in the USB WiFi adapter, connect the computer WiFi to the camera, then the video stream can be transfer to computer with the advanced software Image View. With Image View, you can control the camera, process the image as other USB series camera.

● HDMI+WIFI+SD Card Digital Camera With CMOS Sensors Resloution 1080p/5.0M
● Built-in HDMI Mouse Control Panel For Image Capture & Video Record To SD Card
● Built-in Toolbar Including Zoom, Mirror, Comparison, Freeze, Cross, Browser Functions
● Ultra-Fine TM Color Engine With Perfect Color Reproduction Capability (USB)
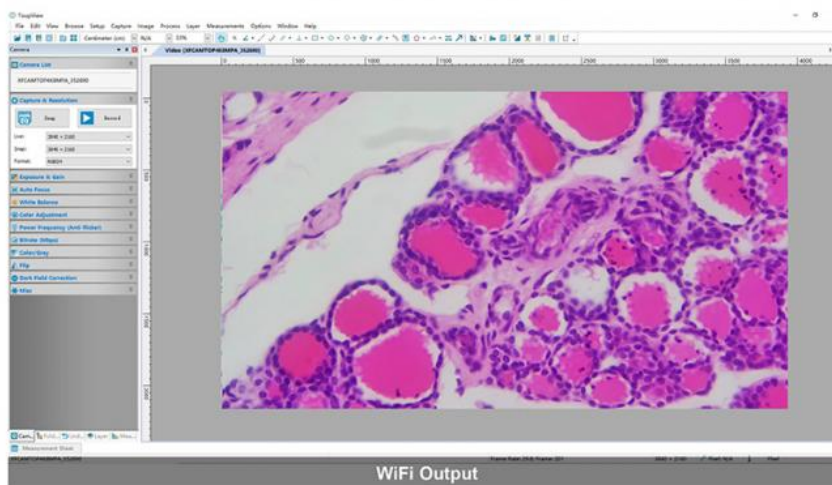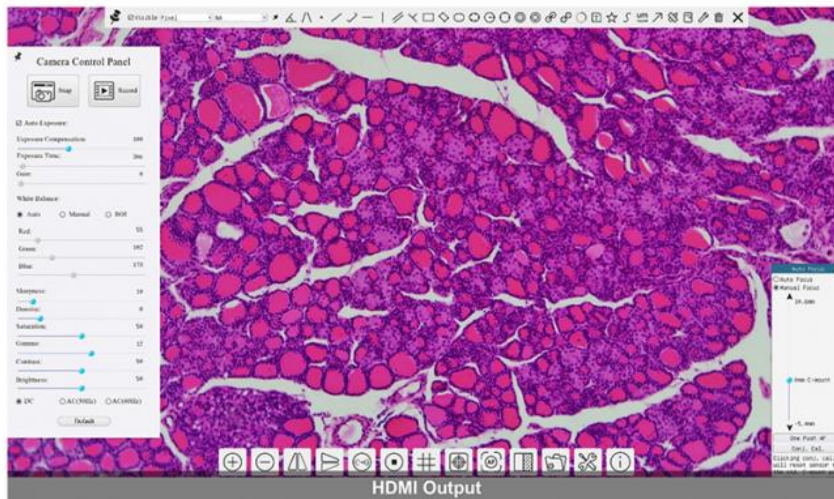● Advanced Video & Image Processing Software Image View, Support SDK For Win/Linux/Mac/Android

A59.2223 HDMI+WIFI+SD Digital Camera, 1080p/5.0M, Mouse Measure

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HDMI Output

WiFi Output

A59.2223 Features & Sample Pictures

- HDMI+WIFI+SD Card Digital Camera With CMOS Sensors Resloution 1080p/5.0M

- Built-in HDMI Mouse Control Panel For Image Capture & Video Record To SD Card

- Built-in Toolbar Including Zoom, Mirror, Comparison, Freeze, Cross, Browser Functions

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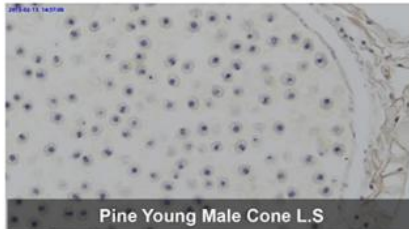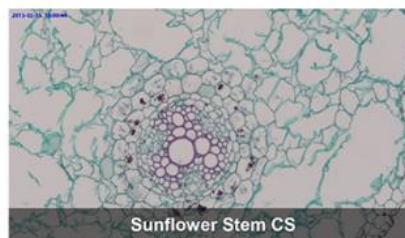

Pine Young Male Cone L.S
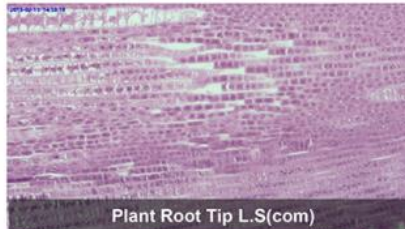
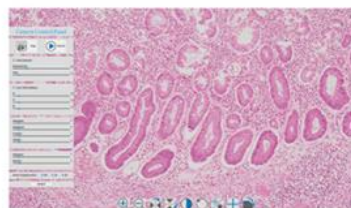Plant Root Tip L.S(com)
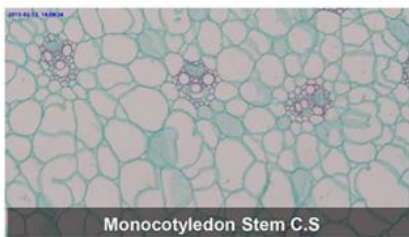
Monocotyledon Stem C.S

Large Intestine Sec

Privet Leaf C.S

Sunflower Stem CS

A59.2223 Specification

Cata. No.	Sensor & Size(mm)	Pixel(μm)	G Sensitivity Dark Signal	FPS/Resolution	Binning	Exposure
5MPB	1080P/5M/	2.4x2.4	425 mv with 1/30s	30@1920x1080	1x1	0.03ms~918ms
	Sony IMX178(C)		0.15 mv with 1/30s	(HDMI)		
	1/1.8" (6.22x4.67)			25@1920x1080		
				(WiFi)		
2MPD	1080P/2M/	3.75x3.75	1120 mv with 1/30s	30@1920x1080	1x1	0.06ms~918ms
	Sony IMX185(C)		0.15 mv with 1/30s	(HDMI)		
	1/1.9" (7.20x4.05)			25@1920x1080		
				(WiFi)		
	1080P/2M/		1016 mv with 1/30s	30@1920x1080		

2ME (Stop)	Sony IMX249(C,GS) 1/1.2" (11.25x6.33)	5.86x5.86	0.15 mv with 1/30s	(HDMI)	1x1	0.043ms~ 1000ms
				25@1920x1080		
				(WiFi)		

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

INTERFACE & BUTTON FUNCTION	
USB	USB Mouse, or USB WIFI
HDMI	HDMI Output, Mouse Control & Measure Function
DC12V	12V Power in
SD	SD Card Slot
ON/OFF	Power On/Off Switch
LED	Power On Indicator

HDMI OUTPUT	
UI Operation	With USB Mouse
Image Capture	JPEG Format with 5M Resolution (2592*1944) in SD Card(8G) (5MP) JPEG Format with 2M Resolution in SD Card (2MP, 2ME) Global Shutter for 2ME
Video Record	ASF Format 1080P 30fps in SD Card
Camera Control Panel	Including Exposure, Gain, White Balance, Color Adjustment, Sharpness and Denoising Control
Toolbar	Including Zoom, Mirror, Comparison, Freeze, Cross, Browser Function

WIFI OUTPUT	
UI Operation	Image View on Windows/Linux/OSX/Android Platform
WiFi Performance	802.11n 150Mbps; RF Power 20dBm(Maximum)
Maximum Connected Devices	3~6(According to the Environment and Connection Distance)
White Balance	Auto White Balance
Color Technique	Ultra-Fine Color Engine (WiFi)
Capture/Control SDK	Windows/Linux/macOS/Android Multiple Platform SDK(Native C/C++, C#/VB.NET, Python, Java, DirectShow, Twain, etc) (WiFi)
Recording System	Still Picture or Movie (WiFi)

SOFTWARE ENVIRONMENT FOR USB2.0	
Operating System	Support Microsoft Windows XP / Vista / 7 /8 /10(32 & 64 bit) OS X (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

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 12V/2A Adaptor

Dimension of A59.2223 Series Camera	
A59.2223 HDMI CMOS camera body, made from tough, CNC aluminium 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. This design ensures a rugged, robust solution with an increased lifespan when compared to other industrial camera solutions.	
Dimension	78 mm (3.07") x 70 mm (2.76") x 92mm (3.62")
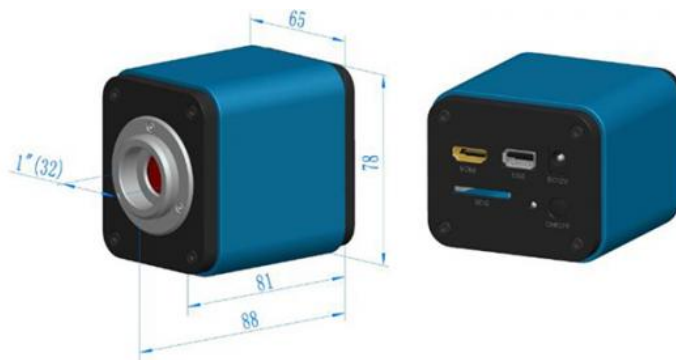
A59.2223 Packing List

Packing List of A59.2223 Series Camera	
Standard Outfit	
A	Gift box : L:25.5cm W:17.0cm H:19.0cm (1pcs, 1.55Kg/ box)
B	Digital camera
C	Power Adaptor: Input: AC 100~240V 50Hz/60Hz, Output: DC 12V 1A
	American standard: Model: GS12U12-P1I 12W/12V/1A: UL/CUL/BSMI/CB/FCC
	EMI Standard:EN55022,EN61204-3, EN61000-3-2,-3, FCC Part 152 class B, BSMI CNS14338
	EMS Standard:EN61000-4-2,3,4,5,6,8,11,EN61204-3,Class A Light Industry Standard
	European standard: Model:GS12E12-P1I 12W/12V/1A TUV(GS)/CB/CE/ROHS
	EMI Standard:EN55022,EN61204-3, EN61000-3-2,-3, FCC Part 152 class B, BSMI CNS14338
	EMS Standard:EN61000-4-2,3,4,5,6,8,11,EN61204-3,Class A Light Industry Standard
D	HDMI Cable
E	USB Mouse
F	High-speed USB2.0 A male to A male gold-plated connectors cable /2.0m
F1	Wireless network adapter with USB interface
G	CD (Driver & utilities software, Ø12cm)

Optional Accessory				
H	Focus Adjustable Eyepiece Adapter	For Microscope	0.37x, C-Mount to Dia.23.2mm	A55.2202-A37
			0.50x, C-Mount to Dia.23.2mm	A55.2202-A50
			0.75x, C-Mount to Dia.23.2mm	A55.2202-A75
		For Telescope	0.37x, C-Mount to Dia.31.75mm	A55.2204-A37
			0.50x, C-Mount to Dia.31.75mm	A55.2204-A50
			0.75x, C-Mount to Dia.31.75mm	A55.2204-A75
I	Focus Fixed Eyepiece Adapter	For Microscope	0.37x, C-Mount to Dia.23.2mm	A55.2202-F37
			0.50x, C-Mount to Dia.23.2mm	A55.2202-F50
			0.75x, C-Mount to Dia.23.2mm	A55.2202-F75
			0.37x, C-Mount to Dia.31.75mm	A55.2204-F37

		0.50x, C-Mount to Dia.31.75mm		A55.2204-F50
	For Telescope	0.75x, C-Mount to Dia.31.75mm		A55.2204-F75
J	Adaptor Rings Dia.23.2mm to 30.0mm For 30.0mm Microscope Eyepiece Tube			A55.2203-30
K	Adaptor Rings Dia.23.2mm to 30.5mm For 30.5mm Microscope Eyepiece Tube			A55.2203-30.5
L	Calibration Stage Micrometer	X=0.01mm/100Div.		
		X,Y=0.01mm/100Div		
		X=0.01mm/100Div., 0.10mm/100Div		
M	SD Card(4G or 8G)			

Camera Connect To Microscope

A55.2002
C-Mount to 23.2mm Adapter
For Microscope

A55.2004
C-Mount to 31.75mm Adapter
For Telescope

OPTO-EDU   **How Camera Connect To Microscope**

1. To Trinocular Microscope On Straight Photo Tube

A59. Series Digital Camera With C-Mount

A55. Series C-Mount Camera Adapter

Photo Tube
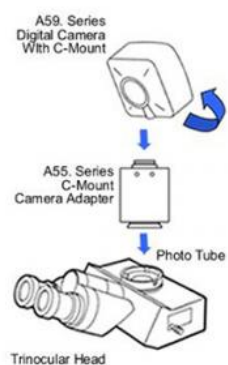
Trinocular Head

2. To Trinocular Microscope On Eyepiece Photo Tube

A59. Series Digital Camera With C-Mount

A55.2002 Eyepiece Tube Adapter

Eyepiece Photo Tube

Trinocular Head
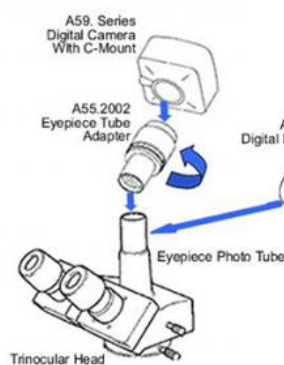
3. To Binocular Microscope On Eyepiece Tube

A59. Series Digital Camera With C-Mount

A59.2205 Digital Eyepiece Camera

A55.2002 Eyepiece Tube Adapter

Binocular Head