



Microscopic Camera 43-MS202

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Microscopic camera is adopted with digital CMOS Sony IMX123 sensor, used to improve low light performance and obtain high resolution images. Its image analysis software includes image previewing, capturing, analysis, processing, sharing function, to give user the latest image processing experience.

Features:

- 3.0 MP with USB 3.0 specification
- CMOS Sony IMX123 sensor type
- C-mount fitting attachment
- Aluminum alloy shell with PCB design
- 20 to 30 frames per second for smooth live images
- Manual or automatic white area balance
- Progressive scanning mode
- Image analysis software with modular design

Standard accessories:

Accessories No.	Name
1	1.8 meters USB 3.0 cable
2	Drive & application CD

Optional accessories:

Accessories No.	Name
1	PCI-E USB3.0 card
2	USB3.0- Optical fiber
3	USB3.0- Converter cable

Applications:

Used for microscopic imaging, visual inspection, and measurement of test specimen across life science, gemology, archeology, forensic science and other industries.

Specifications :

Sensor type	CMOS Sony IMX123 sensor
Camera type	Colored
Sensor size	1/ 2.8"
Resolution	3.0 MP
Pixel size	3.75 × 3.75 μm
Total active pixels	2048 × 1536
Frame rate	20 fps at 2048×1536 (12 bit)
Scan method	Progressive scan mode
Exposure time	28 μs to 1.8 s
Exposure control	Manual/Auto/Area Exposure
Shutter	Rolling Shutter
Dynamic rate	64 dB
SNR	41 dB
Spectral response range	400 to 1000 nm
Data interface	USB 3.0, up to 5 Gbps, 3 m cable
Power	DC 5V ± 5%
Current	Appx. 250 mA
White balance	Manual/Auto/Area white balance
Product indicator	Power LED, RS 485 communication light
Less mount	CS interface mount
Working temperature	0 to 60°C
Working Humidity	0 to 85 % RH
Product Dimension	60 × 60 × 45 mm
Gross weight	450 g

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