

MZX11 Digital Monocular Fluorescence microscope



Digital monocular fluorescence microscope MZX11 is consist of continues zoom lens, monocular observation tube, fluorescence illumination and camera. Combine coaxial reflected fluorescence illumination with high sensitivity camera, the microscope presents fluorescence images in high definition and high clarity. Modular structure is flexible to expand and change according to users' application purpose, allow different magnification, field view and imaging resolution, while achieve accurate focusing distance at the same time. Comparing with complex fluorescence microscopy system , the monocular system provides simple, easy to use and cost-effective solution. It is widely used for applications of bio-medical, electronic device, industry inspection, forensic, mineral study, nondestructive detection and other digital microscope observation for inspection and measurement.

Advantages

- Zoom ratio continuous adjustable along with coaxial focusing.
- Coaxial reflected LED fluorescence illuminator, open and close at any time.
- High definition optical imaging but low deformation.
- Compact structure, module are flexible and easy to install and change.
- Space occupation is smaller and cost is better compared to traditional fluorescence microscope.



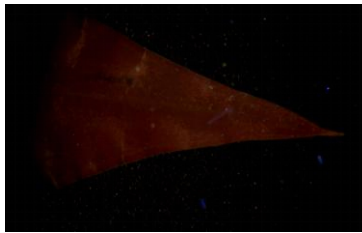
Available applications



Genetically modified organisms	Living cell imaging
Flow cytometry	Cell sorting
Study on GFP (green fluorescent protein)	Proteome
Sequencing of DNA	Colony count
Microarray scanning	Laser confocal imaging
Developing with glue	Photoresist detection
Mass spectrometry	Detection of concrete structure and chemical composition
Soil samples	Air and water pollution detection
Capillary observation	Art restoration
Document ink and stamp identification	



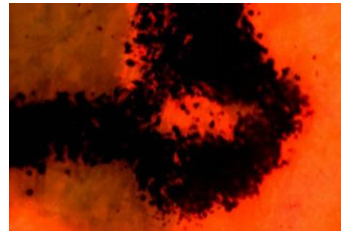
Cedar oil



Green leaf



Money paper



Ink and stamp

Item	Specification
Objective	1X Plan achromat objective, working distance:88mm
Zoom unit	Zoom ratio: 6.4:1 (0.7X-4.5X)
	Zoom graduation: 0.7, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5
Imaging magnification	25X-160X (1X objective-1.9 inch screen)
	Magnification calculation: standard zoom * objective zoom * screen size/1.9)
Reflected fluorescence illuminator	Excitation cube: Blue
	Excitation wavelength: 460~490nm
Camera adapter	C-mount
Base size	260x290x55mm
Microscope camera	MS23 (2.3MP, 1/1.2", USB3.0)
Optional accessories	
Objective	4X plan objective, working distance 22mm
Reflected fluorescence illuminator	Excitation cube: UV, excitation wavelength:330~380nm
	Excitation cube: Green, excitation wavelength: 510~550nm
Digital camera	MS60(6.3MP,1/1.8", USB3.0)