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# **ZDM-100 AA**

## **DIGITAL MICROSCOPE**

# Biological Microscope

## ZDM-100 AA

ZM-100 Series are High-Level Biological Microscopes. They are equipped with Infinity Corrected Colour Free Optical System designed to achieve great performance, quality, and enhance the comprehensive breakthrough. Compared to similar products of internationally renowned brands, their comprehensive performance makes them highly cost-effective products. They can be used in higher education, clinical diagnostics, scientific research, laboratories and other high-level applications.



Equipped with excellent optical system and modularization function design



ICCF® Infinity Plan High Contrast Achromatic objective



The eyepiece adopts plan field distortion-free design, which can be observed with high eyepoint, field of view up to  $\Phi 22\text{mm}$ , and diopter adjustable. Using  $\Phi 22\text{mm}$  eyepiece, can also completely eliminate the phenomenon of virtual field and yellow-green aperture generated by traditional small-field eyepiece observation.



Double-layer mechanical moving stage, triangular steel column guides up and down, can hold two slices



## Specifications

## ZDM-100 AA

CMOS Camera	Digital 3.1 mega pixels Res: 2048×1536
Signal Output	Digital USB 2.0 interface
Signal data line	USB 2.0 Digital data line
Viewing Head	Infinity digital hinge binocular/30 degree inclined/360 degree rotatable
Eyepiece	High eyepoint: Wide field WF10X/Φ20mm, WF16X/Φ16mm
Objective	ICCF Corrected Colour Free optical system, HC PLAN 4X, 10X, 40X (Spring) , 100X (Spring, Oil)
Nosepiece	Four Holes
Focusing Mechanism	Coaxial /20mm/0.001mm
Stage	Double layer mechanical moving stage/ Size 188×145mm/ moving range 76 x 54mm
Condenser	Abbe condenser /N.A.=1.25
Illumination	Kohler light, LED 3W/1A and halogen 6V/30W can be interchanged intelligently
Power	External switching power supply, DC6V/5A
Microscopic Image Software	PHMIAS Ver 3.0