



# DIGITAL MICROSCOPE

LDM-A1 Series

## Digital Microscope LDM-A1 Series

Digital microscope LDM-A1 series allows person to view the sample without straining the eyes because of which quantitative analysis of samples at microscopic level is possible. It comes with advanced technology LCD TFT touch screen for high resolution image of the specimen. We can obtain clear and sharp images of the specimen using coarse and fine focusing adjustment mechanism.

### Features

- Infinite optical system
- Android 4.2.2 O.S. with 5.0 mega pixel LCD TFT screen resolution
- Infinity plan achromatic objective
- 3W LED lamp with intensity control for illumination
- Advanced technology software IMS camera, Touch scope

### Applications

Digital microscope has wide and promising applications in the fields of bacteriology, cytology, botany, medical research field to study the details of the specimen on LCD screen.

### Specifications

Model No.	LDM-A10	LDM-A11
Optical system	Infinite optical system	
Viewing head	Trinocular head, inclined at 30°, interpupillary distance 54 mm-75 mm	Siedentopf type binocular head, inclined at 30°, 360° eyepiece tube rotation, interpupillary distance 50 mm-75 mm, anti-fungal system
Eyepiece	High eye point wide field plan eyepiece PL10X/22 mm, with ±5 diopter control	WF10X
Objectives	Infinity plan achromatic objective: 4x, 10x, 40x(s), 100x(s, Oil)	
Stage	Coaxial mechanical stage: 140 mm130 mm, Travel stage: 76 mm x 50 mm	Double layer mechanical stage: 180 mm x 145 mm, Travel stage: 56 mm x 75 mm with right hand stage handle

Condenser	Kohler N.A. 1.25 condenser (with socket for phase contrast & dark field sliders)	Abbe type N.A. 1.25 condenser with iris diaphragm
Focusing	Coarse and fine focusing adjustment with limited and tension adjustment. Coarse adjustment range 25mm, fine adjustment precision:0.002 mm	Coarse and fine focusing adjustment with rack and pinion mechanism, fine focusing interval 0.002 mm
Nosepiece	Backward quadruple nosepiece	Quintuple quick-stop revolving mechanism with multiple ball bearing
Illumination	Main supply 100V~240V, 3W LED lamp with intensity control (fixed center)	Built-in kohler illumination system 3W LED, adjustable brightness, field diaphragm
LCD Screen	9.7 inch TFT touch screen	8 inch TFT touch screen
Output	USB 2.0, HDMI	
Operating system	Android 4.2.2	
Software	IMS camera	Touch scope
Valid Pixel	5.0 Mega pixel	
Power supply	85V~265V universal power supply	
Optional accessory	Dark field slider for condenser	SD card
	Simple polarization (with analyzer & polarizer)	
	Phase contrast kit (10x, 20x, 40x, 100x)	