

Digital Microscope FM-DM-A200



Description :

Digital Microscope FM-DM-A200 is equipped with 8 inch TFT touch LCD screen and easy to use software to view and study the specimen without straining the eyes. Illumination is provided by S-LED system with adjustable brightness. Sharp and clear images of the specimen are obtained using coarse and fine focusing adjustment.

Features:

Infinite optical system
8 Inch TFT Touch LCD screen, 5.0 MP, CMOS chip
Infinite Semi-Plan Achromatic Objectives
Wide field eyepiece WF 10X/ 20 mm with Diopter adjustment
S-LED as illumination source
User friendly operation

Specifications:

Optical system	Infinite optical system
Viewing head	Seidentopf Binocular head, 30° inclined, Interpupillary 48 to 75 mm
LCD Touch pad Screen	8 Inch TFT Touching screen, 5.0 Mega Pixel CMOS Chip

Digital system software	<div data-bbox="831 103 1493 360" style="border: 1px solid black; padding: 5px;"> Supports Wi-Fi and Bluetooth, USB 2.0, Mini US, HDMI, SD Card </div> <div data-bbox="831 360 1493 555" style="border: 1px solid black; padding: 5px;"> Operation System Android 4.2.2, Touch Scope Software </div>
Eyepiece	Wide field eyepiece WF 10X/ 20 mm with Diopter adjustment
Objective	Infinite Semi-plan Achromatic Objectives 4x, 10x, 40x, 100x
Nosepiece	Quadruple nosepiece
Stage	Double layer mechanical stage: 140 × 140 mm, Travel stage: 75 × 75 mm
Condenser	Sliding-in centerable condenser N.A. 1.25
Focusing system	Coaxial Coarse and Fine focusing Adjustment, Fine Division 0.002 mm, Coarse Stroke 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range 20 mm
Illumination	S-LED Illumination, brightness adjustable

Dimension without LCD Pad	422 × 277 × 200 mm
Dimension with LCD Pad	540 × 279 × 200 mm
Weight	12 kg
Power supply	220 V, 50 Hz

Applications:

Used in the field of bacteriology, cytology, botany, medical science, tissue culture and others to study details, even quantitative analysis of the specimen on large LCD screen.

Accessories Optional:

Accessories No.	Name
1	Eyepiece WF 10X with pointer
2	Eyepiece WF 10X with micrometer
3	Eyepiece WF 20X
4	Backward Quintuple Nosepiece
5	Infinite Plan Achromatic Objective 20X
6	Infinite Plan Achromatic Objective 60X
7	Kohler Illumination
8	Dark Field Condenser NA 0.7 to 0.9 (Dry)
9	Dark Field Condenser NA 1.25 to 1.36 (Oil)
10	Sliding Phase Contrast Kit
11	Turret Phase Contrast Kit
12	Simple Polarization Set: Polarizer and Analyzer
13	LED Epi-Fluorescent attachment FL-LED
14	Epi-Fluorescent attachment X Y-2
15	1X C-Mount
16	0.5X C-Mount

LCD Tablet Details:

Hardware	CPU	RK3288 Quad-core 1.8 Hz
	Display	High resolution (2048 × 1536) color LCD with touch screen
	Storage	RAM 2 GB DDR3, ROM 8 GB, 32 GB extension storage
	Camera	5 MP color cameras
	Network	W i-Fi, Bluetooth
	Interface	USB 2.0 (OTG) ×2, Support USB keyboard mouse
		TF card
		DC 12 V power input
		Audio
		Mini HDMI output
Software	Operating system	Android 5.1
	Software	Built-in camera software, support take photos, videos and measurement

Built In Cameras Details:

Sensor size	1/ 2.5 inch (4:3)
Effective imaging size	5.70 (H) × 4.28 (Y)
	7.13 mm (diagonal)
Effective pixel	2592 (H) × 1944 (V)
Pixel size	2.2 um × 2.2 um
Dynamic range	66.5 dB
SNR (maximum)	40.5 dB
A/D conversion resolution	12-bit, on-chip
Sensitivity	0.53 V/ Lux-sec (550 nm)
Frame rate	2048 × 1536 @15 fps, 1024 × 768@30 fps
Exposure range and manner	Electronic rolling shutter (ERS) , automatic
White balance	Manual/ Automatic



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