

LCD Digital Microscope

LAB DIGITAL LCD BIOLOGICAL MICROSCOPE

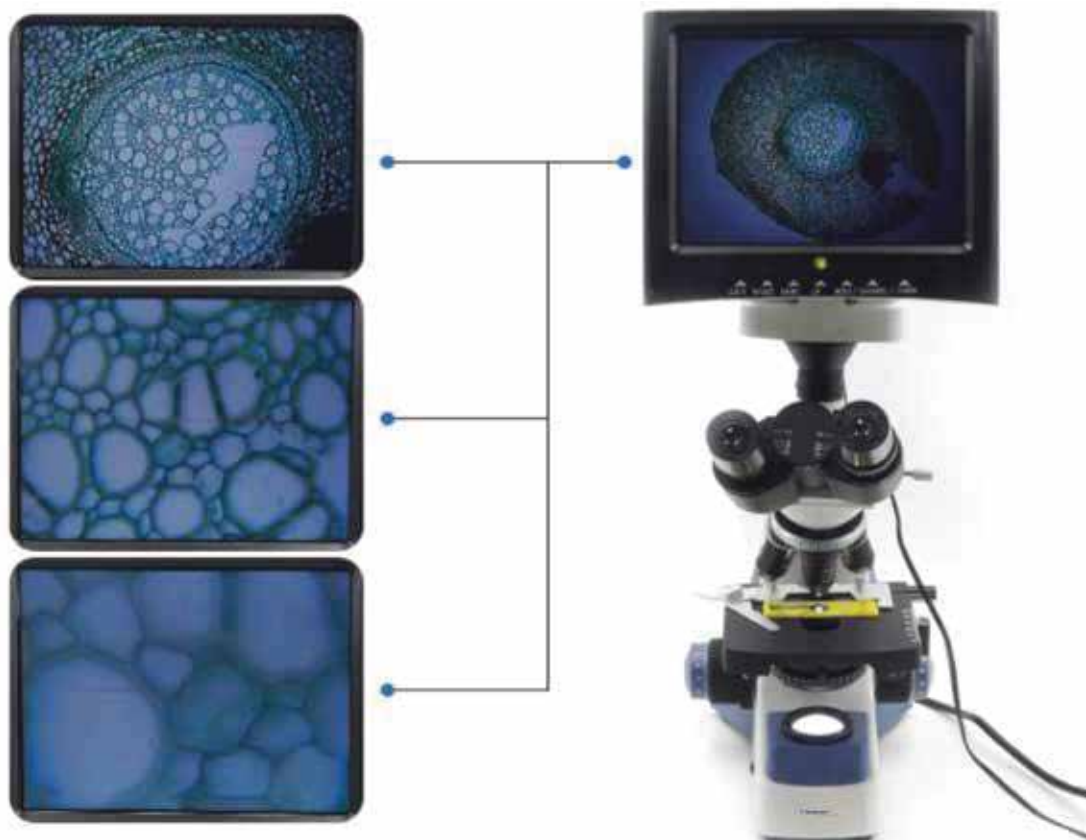
- 8.0" LCD Screen With High Resolution 700 TV Lines
- Magnification 40X~1000X Available
- High Brightness LED Light Source



LDM-3131 8" LCD Pad Camera Specification

LCD	8" High Resolution LCD, Color
Pixel Space Between	0.213mm
Visual Angle	170/170(H/V)
Horizontal	30-61KHz
Vertical	60-75Hz
Color	16,777,216 colors
Highest Mode	1024X768@75Hz
Sync.video Signal	H/V Separate, TTL,P or N.0.7Vp-p@75ohm
Color System	PAL/NTSC4.43/NTSC3.58/SECAM
Sound System	BG/DK/I/M
Video Input	1.0Vp-p@75ohm
Audio Input	500mVrms
Power Supply	DC12V
Power Consumption	9W
Energy-saving	<1.0W
Operating Temperature	10°C~40°C(50°F~104°F)
Operating Humidity	10%~80%
Storage Temperature	-25°C~-45°C (-13°F~113°F)
Storage Humidity	5%~95%

CCD Camera Specification	
Device Dimension	1/3"
Horizontal Resolution	700TVline
Pixels	976(H)X582(V)
Scanning System	525lines, 60Frames/sec
Back light compensation	Auto
Signal-to-Noise	More than 46db
Gamma Characteristics	0.45
Minimum Illumination	3.1lux
Input voltage	12V DC (9V-14V)
Power consumption	Less than 1.85W
Microscope Specification	
Total Magnification	40x~1000x
Nosepiece	Backward Quaduple Nosepiece
Objective	45mm DIN Achromatic 4x,10x,40x(S),100x(O,S)
Working Stage	Double Layer Mechanical Stage, Size 125*125mm, Moving Range X-Y 50*40mm
Condenser	Abbe N.A. 1.25, With Dia.2-Dia30mm Iris Diaphragm,
Focusing	Low Position Designed, Coaxial Coarse & Fine Focusing, Coarse Focusing Range
Light Source	LED Lamp
Gross Weight	8 KGS
Package	1 set/carton
Dimension	37*23*76cm



LCD BIOLOGICAL MICROSCOPE

- High End Lab Level Biological Microscope
- 8.0" LCD Screen With High Resolution 700 TV Lines
- Super Wide Field 10x/23mm High Eyepoint Eyepiece
- Large Size 220x148mm Rackless Working Stage
- 3W LED Kohler Illumination With Removable Light House
- Achromatic To Infinity Plan Optical System Available



Specification	LDM-3132 Series of Digital LCD Laboratory Microscope	
Head	8" Color LCD Display,, Seidentopf Trinocular Head,30° Inclined, 360° Rotatable, Interpupillary Distance 50-75mm,	
Eyepiece	WF10x/23mm, Dia.30mm, High Eyepoint, Dioper Ajustment +/-5	
Objective	A33.1302-T1 with Achromatic Objectives 4x,10x,40x & 100x (oil)	
	A33.1302-T2 with Plan Achromatic Objectives 4x,10x,40x & 100x (oil)	
	A33.1302-T3 with Infinity Plan Achromatic Objectives 4x,10x,40x & 100x (oil)	
Nosepiece	Backward Quadruple Nosepiece	
Focus System	Coaxial Coarse And Fine Adjustment, Fine Division 0.002mm	
Stage	Double Layer Mechanical Stage 220x148mm/76x50mm, Precision 0.1mm, Double Slide Clamp, (Steel Wire Transmission)	
Condenser	Abbe N.A.1.25 With Slot For DF,PH & Pol	
Light Source	3W LED With Kohler Illumination System, Brightness Adjustable	
Dark Field	DF Condenser, Immersion	A5D.1301-I
	DF Condenser, Dry	A5D.1301-D
Phase Contrast Set	Turret Type	A5C.1303-T
	Slider Type	A5C.1303-S
Polarizing Set	Analyzer & Polarizer	A5P.1302
Condenser	Swing-Out Type	A56.1308
Illumination	Upgraded to 5W LED with Kohler System	A56.1312-5
Adapter	C-Mount	A55.1305-1.0

HEAD

Trinocular head with 8.0" high resolution LCD screen and WF10Xx23mm eyepiece, color accurate and image clear.



NOSEPIECE

Backward, quadruple nosepiece with slot for polarizer slide, Equipped with achromatic objectives, plan achromatic objectives and infinity plan achromatic 4x,10x,40x &100x (oil).

WORKING STAGE

Rackless safe double layer mechanical stage 220x148mm/76x50mm with double slide clamp, precision 0.1mm



FOCUSING

Low position designed, coaxial coarse & fine focusing, coarse focusing range 25mm, fine focusing scale 0.002mm, with tension adjustment with upper safety stop.



LCD DIGITAL MICROSCOPE

- Sturdy and Fashion Metal Framework Body
- 3.5" LCD Screen With Adjustable Resolution
- Brightness Adjustable Up and Bottom LED



Specification	LDM-3133 Series of Digital LCD Laboratory Microscope	
Head	8" Color LCD Display,, Seidentopf Trinocular Head,30° Inclined, 360° Rotatable, Interpupillary Distance 50-75mm,	
Eyepiece	WF10x/23mm, Dia.30mm, High Eyepoint, Dioper Ajustment -/+5	
Objective	A33.1302-T1 with Achromatic Objectives 4x,10x,40x & 100x (oil)	
	A33.1302-T2 with Plan Achromatic Objectives 4x,10x,40x & 100x (oil)	
	A33.1302-T3 with Infinity Plan Achromatic Objectives 4x,10x,40x & 100x (oil)	
Nosepiece	Backward Quadruple Nosepiece	
Focus System	Coaxial Coarse And Fine Adjustment, Fine Division 0.002mm	
Stage	Double Layer Mechanical Stage 220x148mm/76x50mm, Precision 0.1mm, Double Slide Clamp, (Steel Wire Tranmission)	
Condenser	Abbe N.A.1.25 With Slot For DF,PH & Pol	
Light Source	3W LED With Kohler Illumination System, Brightness Adjustable	
LDM-3132 Laboratory Microscope Optional		Item No.
Dark Field	DF Condenser, Immersion	A5D.1301-I
	DF Condenser, Dry	A5D.1301-D
Phase Contrast Set	Turret Type	A5C.1303-T
	Slider Type	A5C.1303-S
Polarizing Set	Analyzer & Polarizer	A5P.1302
Condenser	Swing-Out Type	A56.1308
Illumination	Upgraded to 5W LED with Kohler	A56.1312-5
Adapter	C-Mount	A55.1305-1.0

LCD BIOLOGICAL MICROSCOPE

- Wide Field Eyepiece WF10X/F.N.2mm
- Large Size Mechanical Stage 216x150mm
- 3W LED Kohler Illumination With Removable Light House
- 9.7" LCD Screen With High Resolution



Specification	LDM-3152 9.7" LCD Biological Microscope
Head	9.7" HD Diagonal IPS LCD, Backlight Screen, Resolution 1024*768 Five Point Touch Screen, With Hardware Power Switch
	Trinocular head, 30° inclined, interpupillary distance 48-75mm, Both Eyepiece Tube Diopter Adjustable
Eyepiece	WF10x/20mm,
Objective	High Contrast Chromatic-free 4X, 10X, 40X, 100X
Focus System	Coaxial Coarse and Fine Adjustment, Fine Division 0.002mm, Coarse Stroke 37.7mm/Rotation, Moving Range 24mm
Nosepiece	Quadruple, reversed type with positive click stops
Stage	Large Size Double Layer Mechanical Stage 142x132mm, Graphite Surface, Moving Range 75mmx50mm
Condenser	Abbe Condenser NA1.25
Filter	Blue filter Φ 38, (not available for led illumination)
Light Source	External Illumination, 3W/LED
Adapter	C-Mount 1.0x
Packing Size	370x320x510mm
G.W.	8.5kgs
Specification of LCD Pad Camera	
Digital Camera	5.0M, 2.2um*2.2um, Max 30 Fps
CPU	1.8GHz Four Core RK3288 CPU Support OpenGL ES 1.1/2.0 And OpenVG 1.1 Support Full HD 1080p Support Android 5.1 System

Memory	RAM 2GB, Support DDR3, DDR2, LPDDR2 ROM 8GB	
Data Storage	SD Card Slot, Support Max 32GB C10 High Speed SD Card	
Data Interface	HDMI, Mini USB2.0, USB 2.0	
Operation System	Android 5.1 System, Multi Language	
Software	YX Camera Installed, --Can Adjust Real Time Image --Can Measure Length, Area, Angle, Count --Can Take Picture, Record Video YX Image Installed --Grey, Contrast, Brightness Adjust --Binary Image For Granular Count Both Software Chinese/English Version, With Instruction Manual Installed	
Button	Power Switch	
WIFI	Support WIFI, Support Bluetooth	
Power	External Power Adaptor, Wide Voltage AC 100~240V, DC 5V/2A Power Mode : Normal, Sleep, Power Off	
Product Size	Pad 17.5*22.5*2.0cm	
Package Size	Packing Box 10*24*29cm, 1 pc/Box	
Optional Accessories		
Eyepiece	WF16x/15mm	A51.1502-16
	WF20x/12MM	A51.1502-20
Nosepiece	Backward Quintuple Nosepiece	A54.1502-5
Adapter	0.5x C-Mount	A55.1502-05

CONDENSER

NA1.25 Kohler Illumination condenser with iris diaphragm. Moving by precision metal cog-wheel gearing.



LCD STUDENT MICROSCOPE

- 9.7" LCD Screen With 5.0m Resolution
- Adjustable LED Light Source
- Big Double Layer Mechanical Stage 142X132mm



LDM-3153 9.7' LCD Digital Microscope, 5.0M

Head	Seidentopf Trinocular Viewing Head, Inclined at 45°, Interpupillary 48-75mm
Eyepiece	WF10x/18mm
Nosepiece	Quadruple Nosepiece
Objective	Achromatic Objective 4X, 10X, 40X, 100X
Condensor	Abbe Condensor NA1.25 with Diaphragm, Filter
Focusing	Coaxial Coarse and Fine Adjustment, Moving Range 22mm
Working Stage	Double Layer Mechanical Rectangular Stage 140x130mm
Light Source	LED Light, Brightness Adjustable
Product Size	25*21.5*37cm
Specification of LCD & Camera	
LCD	9.7" HD Diagonal IPS LCD, Backlight Screen, Resolution 1024*768 Five Point Touch Screen, With Hardware Power Switch
Resolution	5.0M Pixels, Maximum Photo Resolution 2592*1944
Senser	1/2.5" CMOS, Color, Aptina MT9P001
Effective Image Size	5.70(H) * 4.28(V)mm, 7.23mm (Diagonal)
Frame Rate	1280*720/15 Fps, 640*480/30Fps
Pixel Size	2.2*2.2 um
Dynamic Range	66.5dB
SNR	40.5dB Max
ADC	12 Bit, On Chip
Shutter Type	ERS, Auto
White Balance	Auto
Connect	Standard C-Mount Interface

Specification of Pad	
CPU	1.6GHz Four Core ARM Mali-400 MP GPU Support OpenGL ES 1.1/2.0 And OpenVG 1.1 Support Full HD 1080p Support Android 4.2 System
RAM	2GB, Support DDR3, DDR2, LPDDR2
Data Storage	SD Card Slot, Support Max 32GB C10 High Speed SD Card
Data Interface	HDMI, Mini USB2.0, USB 2.0
Operation System	Android 4.2 System, Multi Language
Button	Power Switch
Power	External Power Adaptor, Wide Voltage AC 100~240V, DC 5V/2A Power Mode : Normal, Sleep, Power Off
WIFI	Support WIFI, Support Bluetooth
Software	YX Camera Installed, --Can Adjust Real Time Image --Can Measure Length, Area, Angle, Count --Can Take Picture, Record Video YX Image Installed --Grey, Contrast, Brightness Adjust --Binary Image For Granular Count Both Software Chinese/English Version, With Instruction Manual Installed

NOSEPIECE

Quadruple nosepiece with precise click stop.
Equipped with achromatic objective 4X, 10X,
40Xs, 100Xs(oil).



WORKING STAGE

Double layer mechanical stage, size
142x132mm, moving range 75X50mm.

HDMI/TV/USB LCD DIGITAL MICROSCOPE

- Magnification Ratio 10X-220X
- 3.0M, HDMI/TV/USB Output, 1080P/30FPS
- 8 LES With Adjustable Brightness



LDM-3155 2.4' LCD Digital Microscope, 220x, 3.0M

Products Name	2.4" LCD Digital Microscope
Image Sensor	3 Mega Pixels
Magnification Ratio	10X - 220X
Capture	Photo & Video
Still Capture Resolution	12M, 8M, 5M, 3M
Video Capture Resolution	1080P, 720P, VGA
Video Output	HDMI/TV/USB
Display	2.04 Inch TFT Panel
Focus Range	Manual Focus From 10mm to 50mm
Frame Rate	Max 30f/s Under 600 Lus Brightness
Light Source	8 LEDS With Adjustable Brightness
Battery	Rechargeable Lithium Battery(Recharged By Adaptor Or USB)
Storage	Micro-SD Card, Up To 32GB
Measurement	Yes, When Working As A USB Microscope
Size	80*55*110*mm

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