

Motic

Motic DS/LM Series

*Simple, yet Versatile
Small, yet Powerful*

DS-300



DS-150



LM-100



LM-50



motic play

DS-150/

Digital Microscope with Seamless

The New DigiScope [DS-150/DS-300]

- Digital-Microscope developed for high-tech savvy young scientists
- Introduces children to the world of microscopy by allowing them a glimpse through this latest Motic technology
- The DigiScope can be used with the camera attached or separate
- Includes intuitive software allowing the young user to save, send, modify and share images
- Captured images can be analysed and measured
- Powerful LED light operates up to 50 hours on 3 AA alkaline batteries (not included) and has a life span of up to 100,000 hours



DS-150



DS-300



DS-300 20X



DS-300 100X

Magnification range: 20 to 100 times
Higher magnification range than DS-150
Best for viewing specimen slides



DS-150 10X



DS-150 50X

Magnification range: 10 to 50 times
Larger field of view than DS-300
Best for viewing larger objects,
e.g. insects, flowers, rocks, etc.

DS-300

Magnification

Motic Play Software

Motic Play is an imaging software designed for children using the DigiScope. It uses pictures and sounds to help children capture and edit still images and videos. This fun-to-use program will let children capture and measure microscopic images, capture videos and enjoy many other powerful features. They can add text and icons or apply effects such as "mosaic" or "emboss" to the images. Children can rotate the pictures, paint them, turn them to gray-scale and much more! The images they create can be shared by e-mail or exported for printing. Their imaginations will be the only limitation to what they create.

Motic Play provides an image processing center. Children can use it to import other images and edit them. The software includes a step-by-step picture help section that covers all of the functions.

Motic Play makes the science of microscopy fun.



Calibration



Measurements



Album



Video Capturing



Image Editing



Image Capturing



Specifications

Size	128 x 112 x 188 mm [DS-150] 128 x 112 x 176 mm [DS-300]	Data transfer	7.5MB / second
Eye Point	11.3mm [DS-150]; 6.5mm [DS-300]	Color image	Take-up time below one second
Field of View	Largest diameter: Ø 6.0mm [DS-150] Ø 4.5mm [DS-300]	Color depth	24 bit [16.7 million colors]
Magnification	10X - 50X, freely selectable [DS-150] 20X - 100X, freely selectable [DS-300]	Power voltage	Self powered from computer USB
Illumination	LED [for upper and lower light]	Operating system	Windows* 98/2000/ME/XP; Mac OS 9.x
Power supply	3 x AA [1.5V] batteries [not included]	Data format	bmp, jpg; for still image storing avi and mov for recording
Working distance	22mm - 42mm	Immediate printout	On printer
Focusing range	30mm	Position and size of image on monitor	Freely definable
Magnification on 14" screen	Freely selectable: 42X - 210X [DS-150] and 70X - 350X [DS-300]	Menu on monitor	Cartoon buttons for opening, storing, printing, print preview, regulator for brightness, color, gamma correction; icons for recording, image interpolation, switching between large and small image quality, manual white balance.
Image device	1/3" Interline CMOS	Image data	Automatic reference number, date and time.
Still image resolution	[H] 640 x [V] 480	Interactive adjustment	Color, brightness and contrast.
Total resolution	330K pixels	Import of stored data	Possible
Frame rate	10-30 frames / second	Print preview	Yes
Audio output	Transmission across Motic Play direct into memory of the PC	Environment conditions:	
Video output	Transmission across Motic Play direct into memory of the PC	Operating temperature	-10° C to +50° C
White balance	Auto white balance	Storage temperature	-20° C to +60° C
B.L.C	Auto	Relative humidity	95% Maximum (non-condensing)
Minimum illumination	10 Lux		

LM-50/ LM-100

The New LED Field Microscope [LM-50/LM-100]

- Developed with the young scientist in mind
- Simple and straight-forward operation
- Provides children with a fascinating window into the microscopic world
- Provides magnification from 10 to 50 times [LM-50] and 20 to 100 times [LM-100] and a largest field of view of 6mm
- Can be used as a biological microscope to view prepared specimen slides
- Easily convertible stage inserts allow for the viewing of pond water creatures or larger objects such as rocks, insects and plants
- Motic-Pick suggestion: LM-100 for a powerful and portable microscope

**CORDLESS!
USE INDOORS OR
OUTDOORS!**



LM-50

For examinations, which do not require the high magnification of the LM-100



LM-100

HOT ITEM!

LM-50/ LM-1000

- Based on years of professional microscope manufacturing experience
- Simple, tamper-resistant design makes it an ideal and robust tool for young scientists
- 3 mode illumination provides top light, bottom light or both with adjustable intensity
- Package comes complete with accessories to turn this microscope into a fully functioning research station
- LED top and bottom illumination with intensity control enables continuous cordless use for up to 50 hours on 3 AA alkaline batteries (not included). The LED bulbs have a life-span of up to 100,000 hours.



Specifications

Models:	LM-50	LM-100
Size	128 x 112 x 188 mm 5" x 4.4" x 7.4"	128 x 112 x 176 mm 5" x 4.4" x 6.9"
Eye Point	11.3mm	6.5mm
Field of View	Largest diameter: \varnothing 6.0mm	Largest diameter: \varnothing 6.0mm
Magnification	10X-50X, freely selectable	20X-100X, freely selectable
Illumination	Top Light: LED with intensity control Bottom Light: LED with intensity control	Top Light: LED with intensity control Bottom Light: LED with intensity control
Power Supply	3 x AA alkaline batteries [1.5V], not included	3 x AA alkaline batteries [1.5V], not included
Focusing Range	30mm	30mm

Included Package

Accessories



Plastic Accessories



Soft carrying bag

DS-150/ DS-300

- Digital camera
- Eyepiece
- Slide stage
- Reversible inspection / live material stage (with cover)
- Calibration slide
- Motic Play CD-Rom
- Quick Start Guide
- Experiment manual
- Soft carrying bag
- Plastic Accessories:
 - > Pipette,
 - > Forceps,
 - > Sample jar,
 - > Plain slides,
 - > Slides with specimen

LM-50/ LM-100

- Eyepiece
- Slide stage
- Reversible inspection / live material stage (with cover)
- Assembly guide
- Soft carrying bag
- Plastic Accessories:
 - > Pipette,
 - > Forceps,
 - > Sample jar,
 - > Plain slides,
 - > Slides with specimen

Motic

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