

Motic

Motic DS/LM Series

*Simple, yet Versatile
Small, yet Powerful*



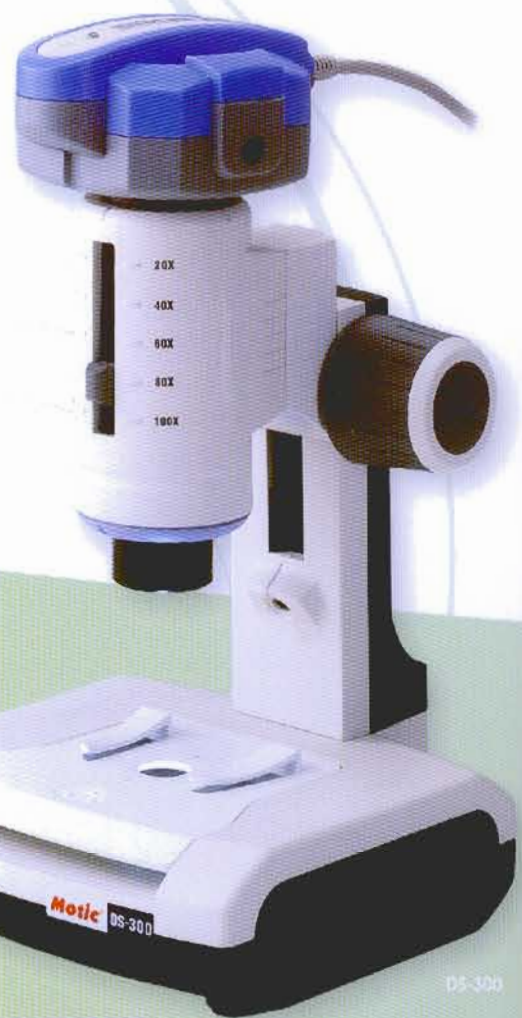
motic play

DS-150/300

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-300



DS-150



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-3000

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]
Eye Point	11.3mm [DS-150]; 6.5mm [DS-300]
Field of View	Largest diameter: \varnothing 6.0mm [DS-150] \varnothing 4.5mm [DS-300]
Magnification	10X - 50X, freely selectable [DS-150] 20X - 100X, freely selectable [DS-300]
Illumination	LED [for upper and lower light]
Power supply	3 x AA [1.5V] batteries [not included]
Working distance	22mm - 42mm
Focusing range	30mm
Magnification on 14" screen	Freely selectable: 42X - 210X [DS-150] and 70X - 350X [DS-300]
Image device	1/3" Interline CMOS
Still image resolution	[H] 640 x [V] 480
Total resolution	330K pixels
Frame rate	10-30 frames / second
Audio output	Transmission across Motic Play direct into memory of the PC
Video output	Transmission across Motic Play direct into memory of the PC
White balance	Auto white balance
B.L.C	Auto
Minimum illumination	10 Lux

Data transfer	7.5MB / second
Color image	Take-up time below one second
Color depth	24 bit [16.7 million colors]
Power voltage	Self powered from computer USB
Operating system	Windows* 98/2000/ME/XP; Mac OS 9.x
Data format	bmp, jpg; for still image storing avi and mov for recording
Immediate printout	On printer
Position and size of image on monitor	Freely definable
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 data	Automatic reference number, date and time.
Interactive adjustment	Color, brightness and contrast.
Import of stored data	Possible
Print preview	Yes
Environment conditions:	
Operating temperature	-10° C to +50° C
Storage temperature	-20° C to +60° C
Relative humidity	95% Maximum (non-condensing)