

OLYMPUS®

Digital Microscope
MIC-D
NEW

Accessories



Polarized light plate

Polarized observation of mineral specimens
Specimen slices of rocks or minerals can be observed under polarized transmitted light.



Jewel clip

Observing hard-to-fix specimens

This clip helps observers to study small specimens like jewels or insects, which are difficult to fix to the stage. It allows the specimen to be rotated 360 degrees, for observation from any angle.

Website



Home page for maximum enjoyment of MIC-D

This home page is full of ideas to use and enjoy MIC-D, and includes helpful information about the image library, software updates and FAQ.

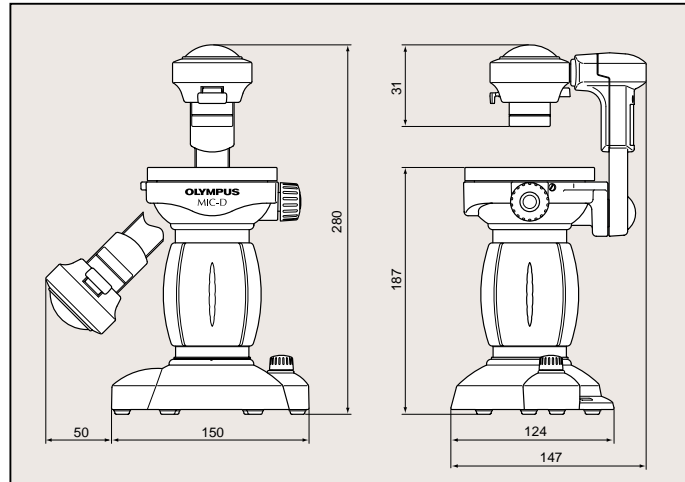
<http://www.mic-d.com/>

Specifications

Item	Description
Style	Inverted microscope with movable arm
Imaging device	1/3-inch CMOS color digital camera, pixel size 5.4x4(mm), USB connection
Resolution level	310K-pixel VGA(640x480pixel)
Zoom ratio	0.7 to 9x Observation field : 6.75x5 to 0.54x0.4 (mm)
Illuminator	Fixed condenser, W.D.30mm Built-in sliding frost filter for light intensity adjustment Movable arm for switching transmitted-light illumination, oblique-light illumination, and reflected-light illumination
Light source	A White LED
Focus	Focusing available up to 5mm above the stage
Stage	Gliding stage
Weight	1.6kg
Power supply	Supplied from USB cable

Dimensions

(unit : mm)



Software Specifications

Item	Description	Note
Operating system	Microsoft® Windows® 98 (SE) Microsoft® Windows® 2000 Microsoft® Windows® Me (Microsoft® Windows® XP supported in April 2002)	
Supported language	English, Japanese, French, and German	
PC requirements	Computer: IBM PC/AT compatible CPU: Intel Pentium® II 200MHz or faster RAM: Minimum 64 MB Hard disk space: Minimum 300MB I/O device: USB port, CD-ROM drive Display monitor: 800x600 pixel resolution with 16-bit color or better	Intel® Pentium® III 500MHz or faster CPU and 128MB of RAM will be recommended.
Image size	640x480(VGA), 320x240(QVGA)	
Still image capturing	Data saving format : JPEG, BMP, TIFF	Number restricted depending on disk capacity
Movie capturing	Data saving format : AVI, MPEG (MPEG1) Time-lapse capturing (Intermittent movie) Maximum interval: 60 minutes Minimum interval: 1 second	Number restricted depending on disk capacity
Library	Thumbnail, zoom-up, image comparison, Movie playback, printing Format conversion	Not supported MPEG into AVI
Image processing	Digital zooming, size modification, trimming Rotation, flip horizontal/vertical Text embedding Scale and information display White/black balance Color adjustment Printing	Rotation by 90 degrees Point/area specification Hue, saturation, intensity, RGB, contrast and tone
Help	Text and graphic-based help	
Sample images	15 still images(JPEG)	

*All brands are trademarks or registered trademarks of their owners.
*Monitor images are simulated.

MIC-D @ IT!
A unique teaching tool for cross-curricular eLearning.



Specifications are subject to change without any obligation on the part of the manufacturer.



OLYMPUS®

OLYMPUS OPTICAL CO. LTD.
San-Ei Building, 22-2, Nishi-Shinjuku 1-chome, Shinjuku-ku, Tokyo, Japan
OLYMPUS OPTICAL CO. (EUROPA) GMBH.
Postfach 10 49 08, 20034, Hamburg, Germany
OLYMPUS AMERICA INC.
2 Corporate Center Drive, Melville, NY 11747-3157, U.S.A.
OLYMPUS SINGAPORE PTE LTD.
491B River Valley Road, #12-01/04 Valley Point Office Tower, Singapore 248373
OLYMPUS OPTICAL CO. (U.K.) LTD.
2-8 Honduras Street, London EC1Y 0TX, United Kingdom.
OLYMPUS AUSTRALIA PTY. LTD.
104 Ferntree Gully Road, Oakleigh, Victoria, 3166, Australia

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MIC-D [@] IT!

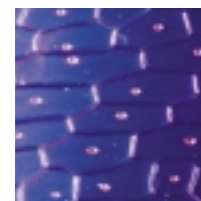
Excellent all-round performance in digital format: MIC-D offers an exciting new way to observe the natural world

Instead of individual observation through an ordinary eyepiece, the MIC-D concept is to display the image on the monitor of a personal computer linked to the microscope by USB cable connection. And since MIC-D observation images are digital, processing them is quick and easy: users can store, discard or edit their images, print them out, post them on a website, attach them to an email or include them in a report.

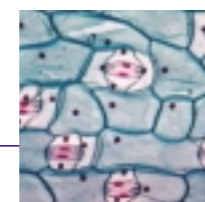
● Different observations, different illuminations

Transparent specimens

Illumination introduces a contrast to 3d transparent specimen by highlighting one side and darkening the opposite side.



Onion



Dayflower

Prepared specimens

Directing the illumination from the top for observation of specimens which transmit light, such as those on glass slides.



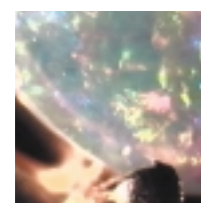
Brick

Specimens too large for the stage

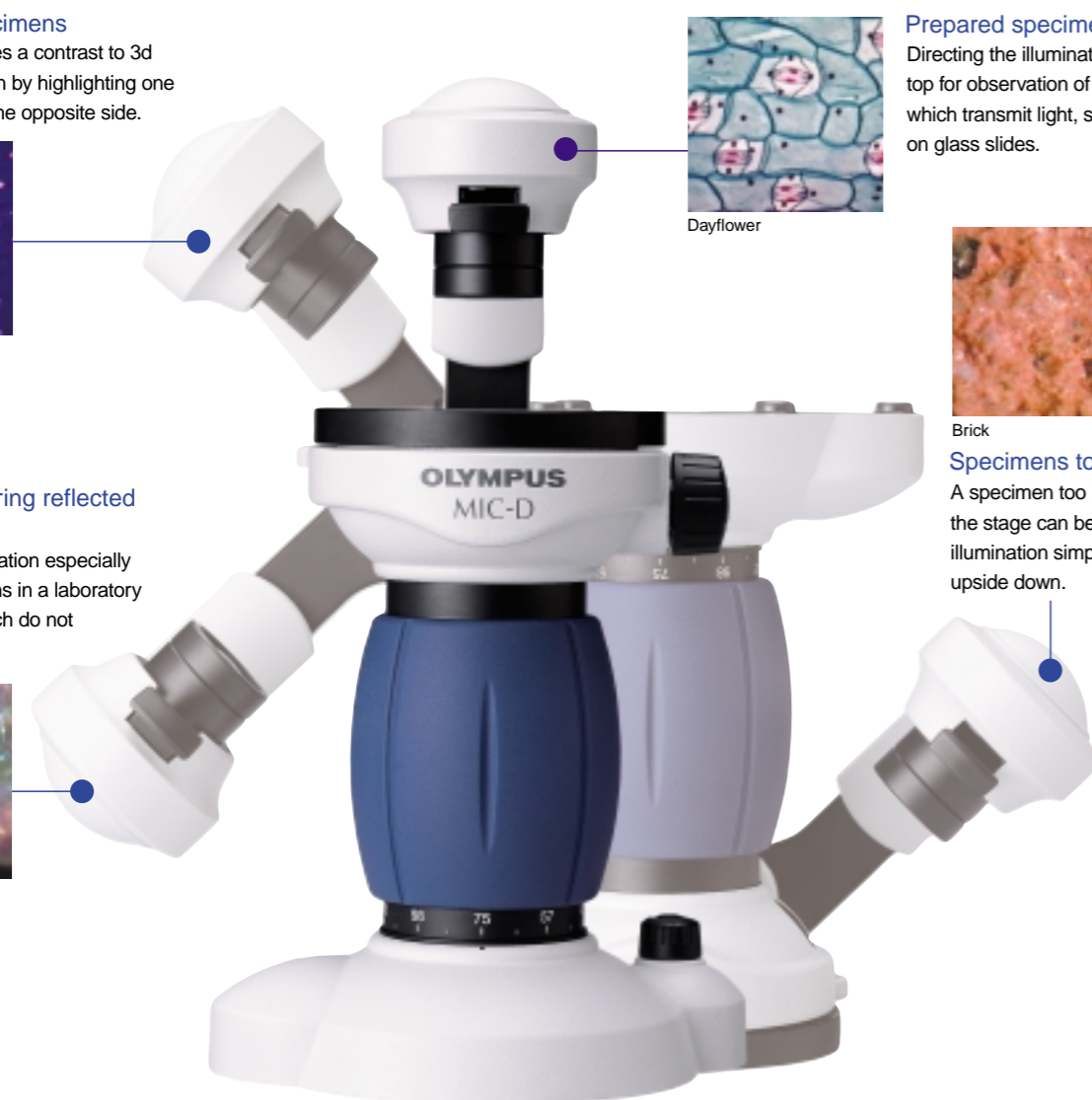
A specimen too large to be placed on the stage can be observed under direct illumination simply by placing the MIC-D upside down.

Specimens requiring reflected light illumination

Down oblique illumination especially suitable for specimens in a laboratory dish or for those which do not transmit light.



Opal



● Multiple performance features provide new ways to enjoy microscope observation

MIC-D's basic performance features match those of advanced scientific microscopes, and include a full-scale optical system, bright LED illumination, and a built-in stage which makes it easy to locate the target object accurately. The structure is extremely rigid, and the operating mechanism is both comfortable and easy to use.

● Optical zoom up to 12.86 magnification ratio

MIC-D offers the same zoom ratio as Olympus' high-grade zoom stereo microscope SZX12. Stepless magnification changes can be performed up to a zoom ratio of 12.86 (0.7x-9x).

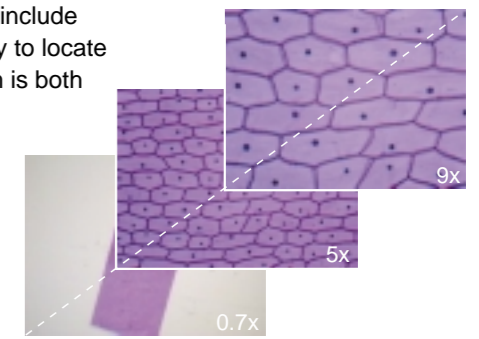
*Magnification scale figures on the MIC-D are based on a 0.3mm monitor pixel pitch as standard.

● Automatic light adjustment ensures accurate image exposure

MIC-D automatically adjusts the amount of light in the image to correspond with the zoom level being used. As a result, there is no over- or under-exposure even when the magnification is changed, so that even novice users can easily make the observations they want.

● Gliding stage for precise movement

Carefully designed for absolute rigidity, this gliding stage responds precisely to the direction of the user's fingers, with 5mm right and left movement plus 360 degrees in the horizontal plane.



● Original software maximizes performance

Every function of the MIC-D is handled by powerful software: capture, display, storage, editing and processing of both still and moving images. Operation is easy, with all user options presented on a clear, straightforward menu display.

● Capture Window

Images viewed with the MIC-D can be captured directly to a personal computer. The built-in time-lapse function captures images automatically according to preset time intervals.

● Library Window

Captured images are stored and managed with a personal computer. The storage size (for still images) is 640 x 480 pixels, compact enough for convenient attachment to an e-mail or inclusion in a report. Storage formats are JPEG, BMP and TIFF for still images and AVI and MPEG for moving sequences.

● Processing Window

Captured images are easy to process and edit, using such functions as contrast adjustment, edge trimming and more.

● Help

From tips on making specimens to hints on setting up observations, the Help function is packed with know-how to help users make the most of microscope photography.



● Features

