From Eye to Insight

Leica
MICROSYSTEMS

Educational Compound Microscopes

A NEW GENERATION'S CHOICE OF INNOVATIVE EDUCATIONAL MICROSCOPES

Leica DM500 & DM750

MADE FOR FUTURE NOBEL PRIZE WINNERS

Science Teaching Revitalized

The more time the instructor has to teach, the more students can learn. The Leica DM500 and Leica DM750 microscopes were specifically developed to revitalize science teaching and to achieve the goal of more hands-on time for Life Science courses. With many student-friendly features and high-quality construction, the Leica DM500 and Leica DM750 invigorate science learning and teach the next generation of scientists effectively and efficiently.

SUPERB OPTICS

- Based on the same optical platform as Leica Microsystems' research microscope line, students enjoy outstanding optical performance with full access to virtually all accessories from Leica's microscope product line.
- NEW! 100× dry (no oil needed) objective provides very high resolution (N.A. 0.8) while eliminating the need for oil.

EZLITE™

- LED illumination provides cool, white light with a lifetime of over 20 years average use. There is no need to change lamps during lab time, and this saves the expense of replacement lamps as well.
- The cost-savings pays for several microscopes over their lifetimes.

SAFETSTAGE™

- Microscope stage maintains its dimension, which eliminates the chance of injury from contact with a conventional stage rack.
- Rounded edges are easy on the skin.

EZSTORE™

- Integrated vertical handle provides easy carrying and lifting when storing on high shelves; undercut on front of stand works in combination with the handle for safer, two-handed carrying.
- Integrated cord wrap eliminates damage to microscope components from improper cord wrapping; vertical cord insertion prevents the cord from pulling partially out of the stand while in storage or in use.
- The unique shape of the microscope stand protects controls from damage when microscopes are stored side-by-side.

EZGUIDE™

- Student friendly slide holder helps prevent slide chipping

USB POWER CONNECTOR

- Providing power to the Leica USB cameras is extremely easy. Simply connect the camera via the provided USB cable to the 5 V/1.5 A USB power connector on the rear of the Leica DM500 and Leica DM750 stand. This saves the cost of an external power supply for the camera plus reduces the complexity at the workstation.

AGTREAT™

- The possible contamination with germs from surfaces is of great concern, especially in educational environments. Leica Microsystems has integrated an additive to the material of all microscope touchpoints to inhibit the growth of bacteria. This helps prevent the spread of disease via the microscope surfaces and leads to a healthier laboratory environment.


LEICA ICC50 W
SAMSUNG
Leica

LEICA DM500 – SCIENCE TEACHING MADE EASY

The Leica DM500 is ideal for entry level Life Science courses. The microscope's stand provides "plug and play" capability. All students need to do is turn the power on, place the specimen slide on the stage, focus, and enjoy the view!

READY TO WORK

› Pre-centered, pre-focused Abbe condenser eliminates the need for adjustments

EZTUBE™

› Eyepieces integrated with the eyetubes prevents loss
› Preset diopter adjustments eliminates the risk of incorrectly setting the diopters
› Other viewing tubes are also available

SAFER ROTATION

› Captive thumbscrew for safer rotation of the EZTube™

ALL IN ONE

› Abbe Condenser with slot for phase contrast and darkfield sliders, including a 4 position phase slider, which offers brightfield and phase capabilities all in one slider

PERFECT LIGHT

› LED illumination designed to provide even lighting across the full field of view without adjustments

LEICA DM750 – SCIENCE TEACHING FOR A NEW GENERATION

The Leica DM750 is designed specifically for the versatile needs of advanced Life Science courses and for professional training such as medical, veterinary, and dental schools.

VERSATILE

- Standard condenser for magnifications 4× – 100×
- Phase turret condenser for brightfield and phase contrast
- Flip top condenser for low magnifications
- The Leica DM750 is available with a 4 position or 5 position nosepiece

WEAR RESISTANT

- Special stage finish offers additional protection from friction damage

ENERGY SAVING

- Time delay shutoff saves energy by automatically turning off the illumination after 2 hours of no use

A+ FOCUS, CONTRAST & ILLUMINATION

- Weighted focus knobs provide inertia and extremely accurate focus capability
- Koehler field diaphragm available as an option for optimum illumination and contrast

SHARED VIEWING MADE EASY

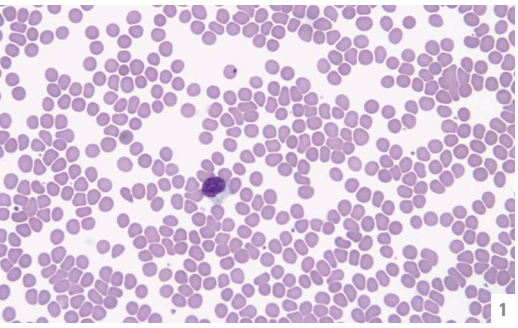
- Variety of viewing tubes provides free rotation while securely fixed to the stand
- Standard viewing tubes with eyepiece locking screws prevent loss of eyepieces

GO WIRELESS!

The ability to share, capture, and archive images is an important part of the microscopy laboratory. The Leica DM500 and Leica DM750 are compatible with the full range of Leica Microsystems imaging solutions, allowing you to select the camera which bests suits the demands of your classroom. Keep students on topic and maximize learning time with the NEW Leica ICC50 W/ E High Definition Wireless camera module.

THE ICC50 W/ E CAMERA MODULE – INTEGRATED & MODULAR

› In Ethernet mode, the connection to the camera is provided through your own network, allowing a maximum number of users to connect to the camera. To use this to full extent, all devices have to be on to same network as the microscope.
› In USB mode you can connect your PC directly via USB cable to the camera, which is helpful when you aim for fastest live images e.g. of moving samples.
› Computer users can use the Leica Imaging software to connect to the camera and work with the images. For PC use Leica Application Suite software, and use Leica Acquire for MAC.
› Use lots of options with Leica AirLab App: It enables camera setup, annotations, measuring, image capture, and sharing to email, photo folders, or other social media connections.
› Leica AirLab App is available free of charge for Android and iOS devices.
› Stay flexible if there is no PC or mobile device around: Just capture images directly onto a memory card.
› Fine-tune camera settings conveniently, capture images onto the SD card, and view the SD card gallery – all possible with the remote.
› Project your images: Use the HDMI port for screen projections or output to HD screens.
› You don't need any extra power cables: The camera is powered directly from the microscope stand with a USB cable.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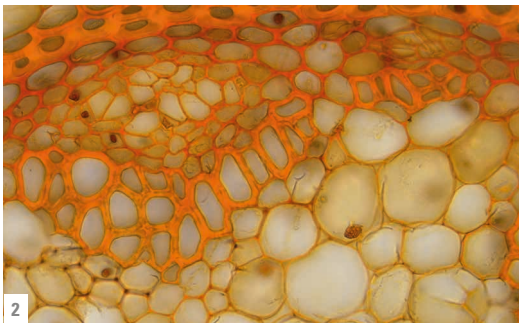
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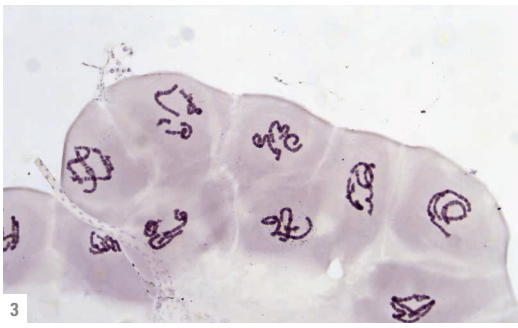
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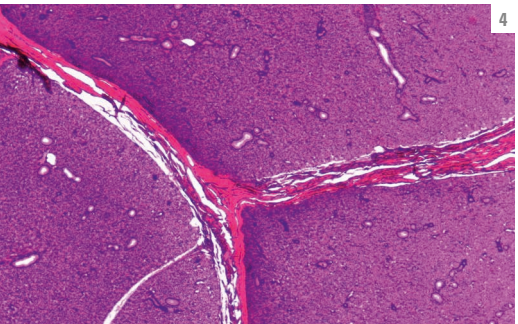
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5


6

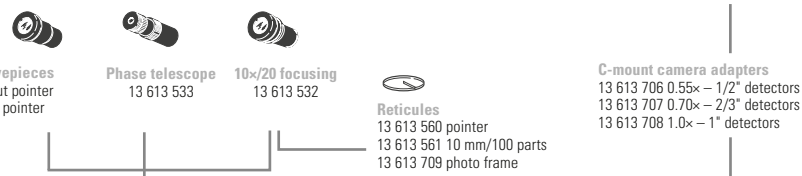
Students can connect to the Leica ICC50 W either through its own **internal Wi-Fi signal** using Wi-Fi mode or through the facilities' network using Ethernet mode.

The ICC50 E **exclusively** uses your facilities' **network (WLAN or LAN)** to allow students to connect to the camera. This is an ideal solution if you don't want to add additional Wi-Fi access points to your network.

Leica DM750 with Leica ICC50 W digital microscope camera

1: Human Blood
2: Convallaria – Lily of the Valley
3: Giant Chromosomes
4: Parotid Gland
5: Pine
6: Taste Buds

SYSTEM DIAGRAM



10×/20 fixed eyepieces
13 613 530 w/out pointer
13 613 531 with pointer

Phase telescope
13 613 533

10×/20 focusing
13 613 532

Reticules
13 613 560 pointer
13 613 561 10 mm/100 parts
13 613 709 photo frame

Leica cameras

C-mount camera adapters
13 613 706 0.55× – 1/2" detectors
13 613 707 0.70× – 2/3" detectors
13 613 708 1.0× – 1" detectors

45° EZ tube (integrated eyepieces)
13 613 224 w/out pointer
13 613 225 with pointer

30° EZ tube (integrated eyepieces)
13 613 226 w/out pointer
13 613 227 with pointer

45° binocular
13 613 520

30° binocular
13 613 521

45° trinocular
13 613 522

30° trinocular
13 613 523

Flat top
13 613 564

35 mm ergo
13 613 565

LSF
13 613 668

Analyzer module
13 613 667

Leica ICC50 W/E camera
13 613 735 / 13 613 740

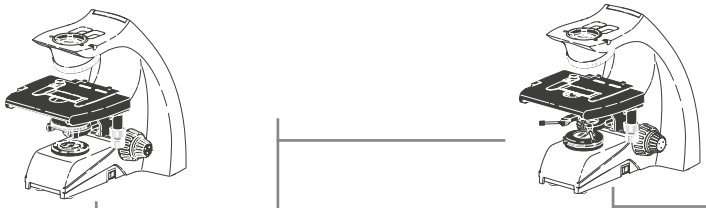
Optional USB power supply
13 613 730

Leica ICC50 W wireless remote
10 450 805

Leica DM500
13 613 215 – RH 4 holes standard stand with Abbe condenser
13 613 216 – LH 4 holes standard stand with Abbe condenser

Leica DM750
13 613 010 – RH 4 holes standard stand
13 613 011 – RH 4 holes Koehler stand
13 613 014 – LH 4 holes standard stand
13 613 015 – LH 4 holes Koehler stand

13 613 012 – RH 5 holes standard stand
13 613 013 – RH 5 holes Koehler stand
13 613 016 – LH 5 holes standard stand
13 613 017 – LH 5 holes Koehler stand



Abbe condenser
13 613 550

Flip top condenser
11 501 183

13 613 551 Turret condenser with BF, DF, PH1, PH2 PH3 rings installed, includes
13 613 533 Phase telescope

13 593 039 4 position slider for phase contrast
13 613 567 4 position slider for darkfield

11 501 155 – PH1 phase slider for 10× and 20×
11 501 156 – PH2 phase slider for 40×
11 501 157 – PH3 phase slider for 100×
11 555 074 – Lambda compensator for condenser
13 586 008 – 1/4 lambda compensator for condenser

Plan objectives
13 613 240 – Plan 4×/0.10 NA, 26.2 mm*
13 613 241 – Plan 10×/0.22 NA, 7.8 mm*
13 613 242 – Plan 40×/0.65 NA, 0.31 mm*
13 613 243 – Plan 100×/1.25 NA, 0.10 mm*, oil
* working distance

HI Plan objectives
11 506 226 – HI Plan 4×/0.10 NA, 18.0 mm*
11 506 228 – HI Plan 10×/0.25 NA, 12.0 mm*
11 506 276 – HI Plan 20×/0.40 NA, 0.92 mm*
11 506 236 – HI Plan 40×/0.65 NA, 0.36 mm*
11 506 237 – HI Plan 63×/0.75 NA, 0.31 mm*
11 506 238 – HI Plan 100×/1.25 NA, 0.10 mm*, oil
11 506 386 – HI Plan 100×/0.80 NA, 0.3 mm* dry objective
* working distance

HI Plan phase objectives
11 506 230 – HI Plan phase 10×/0.25 NA, 12.0 mm*
11 506 278 – HI Plan phase 20×/0.40 NA, 0.92 mm*
11 506 240 – HI Plan phase 40×/0.65 NA, 0.36 mm*
11 506 241 – HI Plan phase 100×/1.25 NA, 0.10 mm*, oil
* working distance

Replacements

13 613 563	Eyeguard pair
13302138946910	Fuses for Leica DM500, Leica DM750
13 613 571	Thumbscrew pair for Leica DM750 condenser mount
13 613 572	Set screw pair for Leica DM750 condenser mount
13 613 584	Dust cover Leica DM500, Leica DM750
13 613 210-100	Leica DM500 User documents
13 613 510-100	Leica DM750 User documents
13 613 735-100	Leica ICC50 W user documents
13 613 573	Add-on lens for condensers for Leica DM750 (included with stand)

Analyzer module sliders

11 555 045	Fixed analyzer slider
11 555 079	180° rotatable analyzer slider
11 555 080	360° rotatable analyzer slider

Others

13 613 262	Captive thumbscrew for EZ tube
13 613 261	Rubber grips for X/Y controls
13 614 800	Immersion oil
11 513 106	Stage micrometer
11 505 091	Diffuser slider for using 2.5× objective with Abbe condenser
11 505 507	Auxilliary lens for using 2.5× objective with 11 501 183 flip top condenser
13 613 566	32 mm filter holder
13 613 263	Hard carrying case
10 450 245	Soft carrying case
13 613 562	Simple pol kit

International power cords

13 613 900	U.S.
13 613 901	Europe Continental
13 613 902	U.K.
13 613 903	Switzerland
13 613 904	Denmark
13 613 905	Italy
13 613 906	Australia
13 613 907	China
13 613 908	Japan
13 613 909	Israel
13 613 910	South Africa
13 613 911	India
13 613 912	Argentina

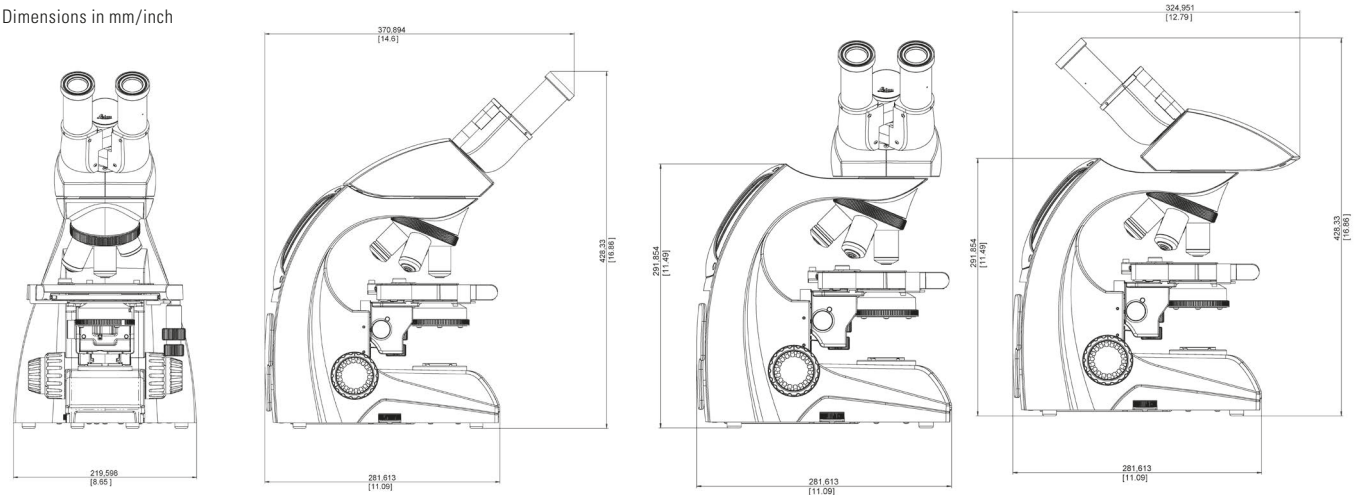
PRECONFIGURED OUTFITS

OUTFIT ORDERING NUMBER		13 613 207	13 613 208	13 613 403	13 613 406	13 613 001	13 613 004	13 613 002	13 613 005
		DM500	DM500	DM750	DM750	DM750	DM750	DM750	DM750
STANDS									
13 613 215	DM500 RH Stand with Abbe condenser	X	X						
13 613 010	DM750 RH Stand			X	X	X	X		
13 613 011	DM750 RH Stand Koehler							X	X
TUBES									
13 613 224	45° EZ tube	X		X					
13 613 225	45° EZ tube with pointer		X		X				
13 613 520	45° binocular tube					X	X	X	X
EYEPIECES									
13 613 530	10×/20 eyepiece w/eyeguard					X		X	
13 613 531	10×/20 pointer eyepiece w/eyeguard						X		X
13 613 532	10×/20 focusing eyepiece w/eyeguard					X	X	X	X
CONDENSERS									
13 613 550	Abbe condenser 0.9 Dry/1.25 oil			X	X	X	X	X	X
OBJECTIVES									
13 613 240	Plan 4×/0.10 NA, 26.2 mm W.D.	X	X	X	X				
13 613 241	Plan 10×/0.22 NA, 7.8 mm W.D.	X	X	X	X				
13 613 242	Plan 40×/0.65 NA, 0.31 mm W.D.	X	X	X	X				
13 613 243	Plan 100×/1.25 NA, 0.10 mm W.D., oil	X	X	X	X				
11 506 226	HI Plan 4×/0.10 NA, 18.0 mm W.D.					X	X	X	X
11 506 228	HI Plan 10×/0.25 NA, 12.0 mm W.D.					X	X	X	X
11 506 236	HI Plan 40×/0.65 NA, 0.36 mm W.D.					X	X	X	X
11 506 238	HI Plan 100×/1.25 NA, 0.10 mm W.D., oil					X	X	X	X
13 614 800	Immersion oil	X	X	X	X	X	X	X	X

POWER CORD NOT INCLUDED: Must be ordered separately

DIMENSIONS LEICA DM500 / DM750

Dimensions in mm/inch



SPECIFICATIONS LEICA DM500 / DM750

	DM500	DM750
SEPARATE EYEPIECES		
High eyepoint	X	X
10×/20 (20 mm field of view)	X	X
Available with or without pointer	X	X
Available fixed or focusing	X	X
Focusing eyepieces with reticule holder for 24.5 mm reticle	X	X
Foldable eyeguards	X	X
30 mm mounting diameter	X	X
EZTUBE™		
Preset diopters for corrected vision	X	X
45 degree viewing angle	X	X
10×/20 (20 mm field of view)	X	X
Attaches to stand with set screw	X	X
Captive thumbscrew available for safer rotation	X	X
Eyepieces are integrated with tube	X	X
Available with pointer and without pointer	X	X
Interpupillary distance range 52 mm – 75 mm	X	X
OTHER VIEWING TUBES FOR SEPARATE EYEPIECES		
45 degree, 30 degree, trinocular	X	X
Maximum field of view 20 mm	X	X
Rotatable dovetail	X	X
Leica tube dovetail standard	X	X
Eyepiece locking screw	X	X
Interpupillary distance range 52 mm – 75 mm	X	X
STAND		
Stand shape protects controls	X	X
Stand construction – die-cast aluminium	X	X
External fuses	X	X
Knurled nosepiece	X	X
4 position nosepiece only	X	
4 or 5 position nosepiece available		X
Drop in holder for 32 mm mounted or unmounted filters	X	X
5 V/1.5 A USB power supply to power camera	X	X
EZSTORE™		
Vertical handle	X	X
Undercut in front of stand	X	X
Cord wrap	X	X
Vertical cord attachment to stand	X	X
OBJECTIVES		
Infinity optics platform	X	X
100× dry objective with N.A. 0.8 (no correction collar)	X	X
Objective labeling laser engraved (HI Plans)	X	X
M25 nosepiece thread	X	X
EZGUIDE™		
One-handed slide loading	X	X
26 mm × 76 mm stage travel	X	X

	DM500	DM750
SAFETSTAGE™		
Stage surface 185 mm (150 mm front) wide × 140 mm deep	X	X
Rounded stage edges	X	X
Non extending rack	X	X
Verniers for X/Y coordinates	X	X
Wear resistant stage surface	X	X
CONDENSER		
Prefocused and precentered Abbe condenser	X	
Centerable and focusable condenser mount		X
Slot in Abbe condenser for contrast sliders (phase, darkfield, compensator)	X	X
Magnification labels on condenser	X	X
Standard Leica condenser mount for condensers (Abbe, turret, flip top, etc.)		X
FOCUS		
Low position focus controls	X	X
Self adjusting focus mechanism	X	X
300 microns per fine focus rotation	X	X
Calibrated in 3 micron increments	X	X
Weighted focus knobs		X
EZLITE™		
Preset field aperture only	X	
Available with or without adjustable Koehler field diaphragm		X
LED Illumination – 6 000 K temp, 25 000 h life at full intensity	X	X
Continuous intensity adjustment	X	X
Illumination sufficient for viewing at lowest intensity	X	X
Simple polarizing kit available	X	X
2 hour Auto Off (can be disabled or enabled)		X
Auto Off default: 4 hole stands enabled, 5 hole stands disabled		X
IMAGING		
Trinocular tubes available (50 %/50 % light split)	X	X
C-mount adapters with standard Leica mount	X	X
Leica ICC50 W intermediate camera module (50 %/50 % light split)	X	X
INTERMEDIATE MODULES		
35 mm intermediate ergo module available	X	X
15 mm flat top module	X	X
Module for LSF reflected light illuminator	X	X
Analyzer module	X	X
AGTREAT™		
Anti microbial treatment	X	X
CERTIFICATIONS		
cULus, CE, RoHS	X	X
Main optical components meet ISO 9022-11 for Mould Growth	X	X
SHIPPING		
Dimensions: 40 cm × 37 cm × 39 cm (H×D×W)	X	X
Weight: 9 kg	X	X

CLEAN AND GREEN

WE ACTIVELY IMPLEMENT WAYS TO MAKE OUR ENVIRONMENT CLEANER AND SAFER FOR THIS GENERATION AND THE NEXT

- All packaging is completely recyclable
- No lead content in any of the glass components
- LED illumination consumes approximately 80 % less energy than standard halogen illumination
- The time delay shut-off feature found on the Leica DM750 ensures no energy is wasted
- Constantly optimizing our logistics chain keeps the CO_2 footprint as low as possible
- AgTreat™ helps prevent the spread of disease via microscope surfaces and leads to a healthier laboratory environment
- All products have been tested by independent safety laboratories and carry the cULus and CE mark to indicate their design for safety
- All products are RoHs compliant, which means all electrical components meet restrictions on the use of hazardous substances

SEE MORE AT WWW.LEICA-MICROSYSTEMS.COM/EDUCATION

- Interactive tour of the Leica DM500 and Leica DM750
- Leica E-Series stereomicroscopes for low magnification inspection, dissecting, and image capture
- Leica DM750 P Polarizing Microscope for Earth and Materials Science education
- Leica DM750 M Microscope for Metallography
- Selection of higher level microscopes for research
- A selection of instructional booklets, which are free of charge

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