

Living up to Life

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Leica
MICROSYSTEMS



Leica ICC50 W

Share, Capture and Archive Images with the New Integrated High Definition Camera System
Includes WiFi and Ethernet Capabilities

Go Wireless!

Fast High Resolution Live Imaging

The ability to share, capture, and archive images is an important part of the science laboratory. Keep students on topic and maximize learning time with the new Leica ICC50 W Wireless HD Camera. The complete system allows the user to view specimens on the display and through the binocular tube, with or without a computer connection for versatile science education.

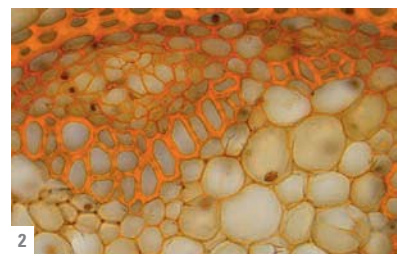
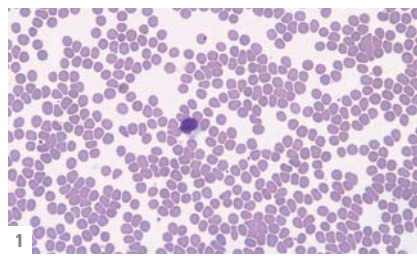
SEAMLESS DESIGN

The Leica ICC50 W fits between the microscope stand and viewing tube without an additional video or photo tube. It is designed to perfectly match newer generation Leica DM-series microscopes.

EASY TO OPERATE

The Leica ICC50 W provides excellent image sharpness, brightness, and color impression. In addition, the user can work with the basic presets or adjust the camera's parameters as desired. Pushing the onboard buttons of the camera quickly switches camera modes, performs white balancing, or saves an image to an SD card.

- 1: Human Blood
- 2: Convallaria – Lily of the Valley
- 3: Taste Buds
- 4: Pine



LEICA ICC50 W ADVANTAGES

- › WiFi mode to wirelessly broadcast an HD image directly to your mobile device for independent annotation and image capture by several students
- › Download the Leica AirLab App for camera setup, annotations, measuring, image capture, and sharing to email, photo folders, or other social media connections
- › USB mode to connect directly by cable to your PC for fastest live image of moving objects
- › The Leica ICC50 W is compatible with the full range of Leica Imaging software modules for versatility.
- › Ethernet mode to connect to your own network and allow for the maximum number of mobile devices to access the image
- › SD mode to capture directly onto a memory card when mobile devices and PC's are not available
- › Always connect to an HD display for maximum flexibility
- › Handheld remote for convenient fine tuning of camera settings, capturing onto the SD card, and viewing the gallery of images saved on the SD card
- › The Leica ICC50 W can be powered directly from the Leica DM500 or Leica DM750 stands minimizing infrastructure and cost. Power by external power supply or PC is also possible.
- › Modular design allows for easy upgrades and service.



Leica DM750 microscope
with integrated Leica ICC50 W camera,
RC remote control, and full HD monitor



Leica ICC50 W Specifications

LEICA ICC50 W

Weight	700 g (camera only)
Height	50 mm
Exposure time	1 msec – 500 msec
Live image	30 fps maximum – depends on mode and resolution setting
Full frame image acquisition	5.0 megapixels max.
Movie clip	1,920 x 1,080 max.
Color depth	24-bit
Data format	JPEG / TIFF / BMP / MP4 (choices depend on capture device)
Operating systems	Windows 7, 8, Windows Vista, Macintosh OS X, Mobile devices (iOS 7, 8 and Android 4.2+)
Software available	Leica AirLab (mobile devices), Leica LAS EZ (PC), Leica LAS (PC), Leica Acquire (Mac)
Min. computer config.	PC / Mac, Intel Core 2 Duo, > 2.4 GHz, 4 GB RAM, 24-bit graphics, 1,248 x 1,024
Min. display specification	1,920 x 1,080 resolution, HDMI connection, DVI connection possible with HDMI/DVI adapter cable (not provided)

MECHANICAL AND OPTICAL INTERFACES

Fits between viewing tube and microscope stand via standard Leica Microsystems dovetail interface
Light distribution optical 50 % / camera 50 %
Internal video magnification 0.5x

ELECTRONIC INTERFACES

Computer USB 2.0, standard USB plug type B
High Definition connector HDMI 1.3, standard HDMI plug type A
Ethernet RJ45 standard
Integrated slot SD (Secure Digital) card 1 – 32 GB
WiFi 802.11n standard
On/Off switch
Pinhole service switch
LED's indicating camera status

OTHER

Power via USB cable to 5 V/1.5 A+ power supply (stand or external)
CE Declaration of Conformity available

ORDERING NUMBERS

13 613 735	Leica ICC50 W camera – includes camera, USB cable, HDMI cable, disc with LAS EZ and Leica Acquire software
13 613 730	USB power supply – 5 V/2 A
10 450 805	Wireless remote camera control for fine tuning the HD image and making additional camera settings when no computer is being used
13 613 709	Photoframe reticle for use with 13 613 532 focusing eyepiece when capturing images on an SD card without a display for preview

The statement by Ernst Leitz in 1907, “**With the User, For the User,**” describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: **Living up to Life.**

Leica Microsystems operates globally in three divisions, where we rank with the market leaders.

LIFE SCIENCE DIVISION

The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems’ customers at the leading edge of science.

INDUSTRY DIVISION

The Leica Microsystems Industry Division’s focus is to support customers’ pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

MEDICAL DIVISION

The Leica Microsystems Medical Division’s focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

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