



# Leica IMS500 / IMS500 HD

**Interactive Microscopy Systems**

Living up to Life

**Leica**  
MICROSYSTEMS

# Teacher Friendly –

## Platform Benefits

### Hardware based technology

- Cost effective
- Easy to use (no computer knowledge is required for setup)

### No interference with local computer systems

- Local Data networks are not required / not involved
- No security issues
- No bandwidth problems
- All stations offer the same high image quality as the host display

### Easy installation, training and service

- Modular “plug and play” system
- Keypad is very intuitive, easy to learn
- Maintenance friendly

### IMS500 HD Benefits

- Fast, live images for real time viewing, zero delay
- “No Computer” necessary for quick setup
- High Definition Quality Images for sharing the finest microstructures

### IMS500 Benefits

- Free to use any type of computer or operating system
- No software update costs
- Computer memory is completely available for applications

Microscopy labs for university students need to be an attractive interactive environment in order to capture and maintain students attention. The Leica IMS500 and IMS500 HD deliver this interaction with simple keypad control for the teacher along with the high quality images expected from Leica microscopes and cameras.

The Leica IMS500 and IMS500 HD allow the students microscope images to be selected for sharing. This integrates the student into the lab session and provides positive motivation. The teacher has complete control which image is shared and which students (one, group, or all) are receiving the image.

### IMS500 HD – GO HIGH DEFINITION! Use WITHOUT Computers for direct connection to the NEW High Definition cameras from Leica Microsystems

- Fast, high-resolution (up to 1920 × 1080) live image on an HD display for viewing the finest details
- Direct connection to an HD display
- Capture images and movie clips on an SD card for student archiving
- Control the camera functions via two onboard buttons for easy access
- Optional handheld camera remote for fine tuning the image, customizing camera settings, and viewing a gallery of images and movie clips from the SD Card for easy playback
- Teacher can work with a computer to take full advantage of Leica Imaging Software at his station

### IMS500 – Use with Computers and Leica Imaging Software at each station:

- Capture, archive, measure, annotate, and perform image processing for future viewing and analysis. NEW – FREE HAND ANNOTATION IS NOW AVAILABLE FOR BOTH LIVE AND STORED IMAGES!
- Define image acquisition preferences such as exposure, gain and gamma for optimum image results
- Image related data and calibration are stored with the image for later reference
- Save and open images directly into any other software application for preparing reports and presentations
- Optional Teacher control of the student computers for workflow management



Leica IMS500 HD Keypad and wireless remote control

# Student Interactive



## IMS500 HD System Components for use **without** computers

### Central Units – Select one per system

35101606	CU6 DVI Central Unit up to 6 students
35101610	CU10 DVI Central Unit up to 10 students
35101620	CU20 DVI Central Unit up to 20 students
35101632	CU32 DVI Central Unit up to 32 students
Appropriate power cord required	

### Keypads – Select one per system

35101515	KP 15 DVI Keypad – up to 15 student keys
35101525	KP 25 DVI Keypad – up to 25 student keys
35101535	KP 35 DVI Keypad – up to 35 student keys

### Imaging Modules – Select one per appropriate station

35101710	Teacher DVI Module Advanced with Projector-Output + Notebook-Input
35101720	Student DVI Module

### Cables to Central Unit for Imaging Modules – Select two for the Teacher Station and one for each Student Station

35101802	2 meter DVI CU Cable
35101806	6 meter DVI CU Cable
35101810	10 meter DVI CU Cable
35101815	15 meter DVI CU Cable
35101820	20 meter DVI CU Cable

### Other Options – Add one per System

35101501	Wireless Remote Control
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#### Note:

- All HD displays must have DVI and HDMI connections and DVI cables (some displays don't come with DVI cables included, therefore, be sure they are supplied with the display)
- Some manufacturers displays require that the camera resolution is changed to 720P
- All HD displays must be of the same model

### Each System needs a Power Cord for Central Unit, please choose one for your area:

10280636	Power cable, 2.5 m, Switzerland
10445661	Power cable, 2 m, USA
10445662	Power cable, 2 m, EURO
10445663	Power cable, 2 m – 2.5 m, BS
10447346	Power cable, 2 m, Japan
10450012	Power cable, 2 m, Argentina type K
10450013	Power cable, 2 m, Australia type F
10450014	Power cable, 2 m, China type L
10450015	Power cable, 2 m, Israel type I
10450016	Power cable, 2 m, Italy type E
10450017	Power cable, 2 m, South Africa type D

## IMS500 System Components for use **with** computers

### Central Units – Select one per system

35101215	CU15 VGA Central Unit with Projector Output – up to 15 students
35101230	CU30 VGA Central Unit with Projector Output – up to 30 students
35101245	CU45 VGA Central Unit with Projector Output – up to 45 students
Appropriate power cord required	

### Keypads – Select one per system

35101115	KP 15 VGA Keypad – up to 15 student keys
35101125	KP 25 VGA Keypad – up to 25 student keys
35101135	KP 35 VGA Keypad – up to 35 student keys
35101145	KP 45 VGA Keypad – up to 45 student keys

### Imaging Modules – Select one per appropriate station

35101310	Teacher VGA Module
35101320	Student VGA Module

### Cables to Central Unit for Imaging Modules – Select one per station

35101402	2 meter VGA CU cable
35101406	6 meter VGA CU cable
35101410	10 meter VGA CU cable
35101415	15 meter VGA CU cable
35101420	20 meter VGA CU cable

### Optional Remote Computer Control Modules – Add one per teacher station

35101333	Keyboard/ Mouse Control and Lock Module USB
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### Optional Remote Computer Control Modules – Add one per student station

35101330	Student Keyboard/Mous Cntrl/Lock Module USB
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### Other Option – Add one per System

35101501	Wireless Remote Control
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- Note: IMS500 systems require Computer Displays with a VGA connection and VGA cable