

Head-Mounted Microscope



Leica Microsystems offers the HM500 head-mounted surgical microscope. Features include:

- The ability to be worn comfortably and provide continuously variable magnification, automatic parallax correction, and sharp 3D images for precise viewing during surgery.
- Precise optical zoom allowing a variable selection of magnification between 2X and 9X, depending on the particular eyepieces in use.
- Autofocus sensors that detect a specific object in the surgical field and adjust the optics quickly to ensure a clear 3D image at the working distance.
- Optical zoom, focus and autofocus controlled by a rechargeable battery-operated foot pedal for convenience and flexibility.
- Integrated, coaxial light providing shadow-free illumination of the surgical field.
- A 200W metal halide light source with high color temperature and adjustable brightness.
- Precisely ground, polished and coated optical lenses with the ability to produce high contrast, great depth of focus, sharp images and high resolution.
- Image documentation with an integrated, autofocus video camera that can connect to existing monitors in the facility or integrate with a video monitor on a trolley system.

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[1] <http://www.leica-microsystems.us>