

Premium microscope for otolaryngology

A NEW LEVEL OF
PATIENT CARE
WITHIN REACH

The Leica M530 OHX for ENT



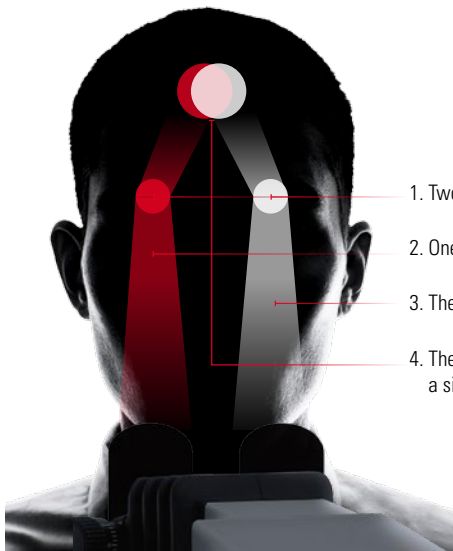
**SIMPLY
SEE MORE**

Exclusive FusionOptics technology combined with advanced illumination and apochromatic optics for astounding image quality

Working in deep narrow channels is your daily challenge in otolaryngology particularly in surgeries such as skull base, temporal bone or inner ear. To apply your surgical skills precisely and confidently during these surgeries, you need bright, clear shadow-free visualization of anatomical structures. With exclusive FusionOptics technology and advanced illumination, the Leica M530 OHX provides you with an unsurpassed view, helping you to reach the highest possible level of patient care.

See more, refocus less with FusionOptics

Utilizing the power of the human brain, FusionOptics technology makes the previously impossible, possible: high resolution and greater depth of field at the same time for a significantly expanded area in full focus. What is more, with a larger area in focus, you spend less time refocusing which has the potential to streamline your workflow.

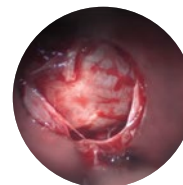


- 1. Two separate beam paths
- 2. One beam path provides depth of field
- 3. The other provides high resolution
- 4. The brain merges the two images into a single, optimal spatial image

Gain deeper insights

Small Angle Illumination (SAI) and bright 400-Watt xenon illumination allows light to penetrate to the bottom of deep, narrow cavities with fewer shadows.

- > More details are revealed
- > Depth perception is further improved



Without SAI



With SAI

Multiply the benefits

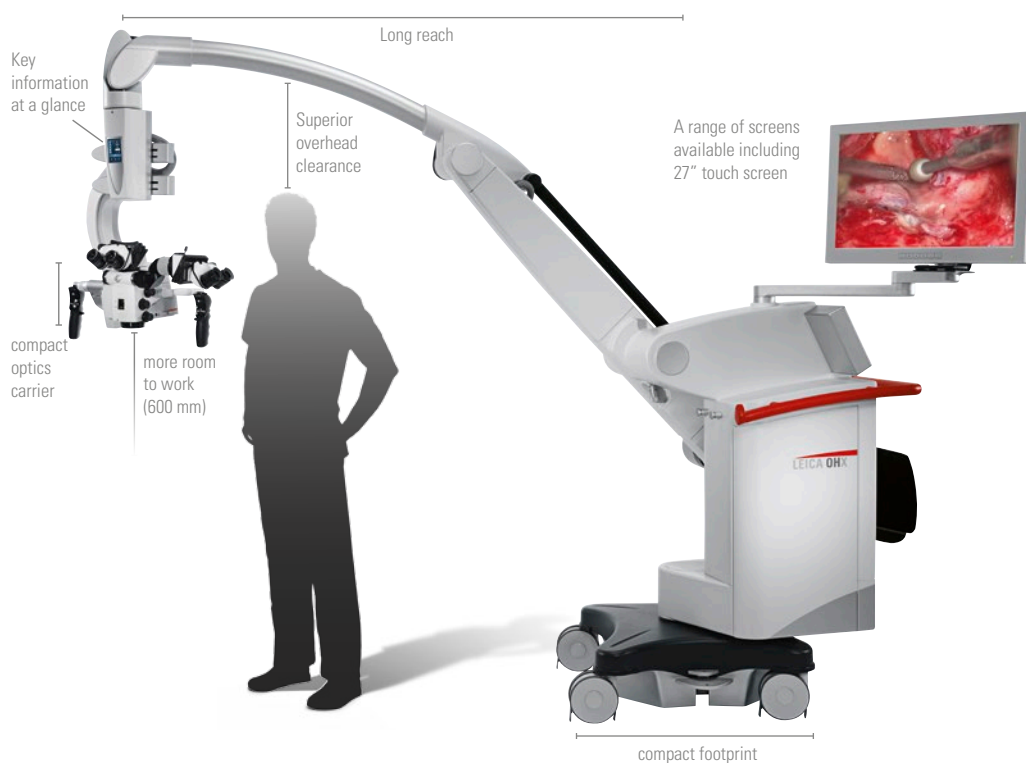
When you need to see even more for the most delicate procedures, the optional magnification multiplier delivers a 40% magnification boost.



MANEUVER WITH EASE

Long-reaching overhead stand for optimal positioning and working space

With a compact base to fit even the most space-restricted OR, superior overhead clearance and one of the longest reaches on the market, the Leica M530 OHX offers you positioning flexibility and more space to work. Whether ear, nose, or throat procedures, the microscope can be smoothly positioned at the ideal angle while you and your team maintain comfortable positions.



Easy handling for efficient workflow

- > Cables routed internally plus electromagnetic brakes enable effortless maneuvering, reducing the potential strain of harsh movements and enhancing efficiency
- > Fast stabilization at all angles keeps workflow interruptions to a minimum

Positioned for your comfort

- > Compact optics carrier means arms can remain in a natural position during surgery
- > A full range of binoculars all with 360°-rotation to respond to different operating positions and body frames

REINFORCE PATIENT SAFETY

Innovative illumination solutions from Leica Microsystems designed to help you optimize patient safety

Light is essential for optimal visualization, but high light intensity can cause damage to delicate skin. This is particularly relevant in surgery on the ear where the skin is thin and any damage may be visible, and in pediatric surgery as children tend to have more delicate skin. The Leica M530 OHX features the innovative light management systems BrightCare Plus and Autolris which manage light intensity to protect the skin and tissue.



Optimal light intensity

BrightCare Plus optimizes the light intensity relative to the working distance. As working distance decreases, the light intensity is reduced automatically, minimizing incidents of patient burns. The internal luxmeter enables light intensity to be calculated on actual bulb output, not via an algorithm.

Optimal field of illumination

Autolris automatically adjusts the diaphragm so that only the visible area is illuminated. When zoomed in, the light circle adapts automatically: the higher the magnification, the smaller the light circle. This greatly reduces the possibility of drying or burning exposed tissue outside of the field of view.

TECHNICAL INFORMATION

Leica IVA530	<ul style="list-style-type: none"> - Full stereo view for main surgeon, semi-stereo view for 2 side assistants, C-mount for camera (HD/SD) - Light distribution: 67% for surgeon, 23% for side assistant, 20% for camera
FusionOptics technology, fully apochromatic	FusionOptics for resolution and depth of field in one, image, high contrast, natural colors without chromatic aberrations
Magnification	6:1 zoom, motorized
Total magnification	1.0x to 12.1x with 10x eyepiece (1.4x with optional magnification multiplier)

Focus	Motorized via multifocal lens, with manual adjustment
Objective / working distance	225 to 600 mm, motorized multifocal lens, continuously adjustable and manual adjustment option
Field of view	17.4 to 210 mm ø with 10x eyepiece
Illumination	High-output 2x 400-W redundant xenon arc-lamp systems via fiber optics cable

REGULATIONS AND STANDARDS

- Class I Surgical microscope Leica M530 OHX incl. accessories
- > Council Directive 93/42/EEC on Medical Devices (MDD) and its amendments.
- > IEC 60601-1 / EN 60601-1 Medical Electrical Equipment, Part 1: General requirements – including national differences of EU, CA, US.
- > IEC 60601-1-2 / EN 60601-1-2 Electromagnetic Compatibility.

The Medical Division, within Leica Microsystems (Schweiz) AG, holds the management system certificates for the international standards ISO 9001, ISO 13485, and ISO 14001 relating to quality management, quality assurance and environmental management



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