OPMI Vario from ZEISS
Expand your vision
Regardless of the model, optics and illumination are the key elements of ZEISS surgical microscopes. This is also true for OPMI® Vario from ZEISS, whose apochromatic optical design delivers images with outstanding resolution and impressive color fidelity.

In addition to brilliant optics, the precise suspension system enables good visualization and operation of the system. In particular, the floor stand with the optional lifting column and the optional ceiling mount provide hospital personnel much freedom of movement and good access to the patient.

Together with its expandability ZEISS OPMI Vario is a versatile surgical microscope for neurosurgery, spine surgery, ENT and P&R surgery. It is ideal for routine procedures as well as more complex operations in these disciplines.
“We have been using the OPMI Vario microscope for seven years and are very satisfied with the performance. It fits our needs and applications. The magnificent optics, the smooth movements and the exact positioning of the system make OPMI Vario a real pleasure to work with.”

Kaoru Ogawa, M.D., Ph.D.,
Chairman and Professor,
Department of Otolaryngology,
School of Medicine, Keio University,
Tokyo, Japan
Options
Tailored to your needs

The modular design of ZEISS OPMI Vario makes it possible to tailor the system to personal needs and to the requirements of many clinical disciplines.

Ergonomic design and operating comfort

Even in extreme positions, the Foldable Tube f170/f260 allows for a comfortable working position.

The wireless foot control panel can be freely positioned in the OR – without the hindrance of cables. By controlling multiple microscope functions, it frees the surgeon’s hands for the procedure.

Digital visualization

The ultra-compact TRIO 610 3-Chip HD camera provides high definition video quality.
XY coupling enables precise repositioning of the surgical microscope.

The auxiliary lens increases working distance and allows for better visibility in narrow, deep-lying approaches.

The 15” TFT monitor allows for all OR staff – assistant, nurse or student – to follow the procedure.

MEDIALINK™ 100 boosts the efficiency of image and video data management during daily clinical use.
All-rounder
Serving your surgical discipline

Spine Surgery

Neurosurgery

Courtesy of Barrow Neurological Institute
St. Joseph’s Hospital and Medical Center
Phoenix, Arizona, USA
ENT

P&G Surgery

Courtesy of Professor emeritus Atsushi Komatsuzaki, Tokyo Medical and Dental University School of Medicine, Japan

Courtesy of St.-Elisabethen-Krankenhaus Ravensburg, Germany
## Technical Specifications

**S88 / OPMI Vario from ZEISS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>Magnification</strong></td>
<td>Motorized ZEISS zoom, 1:6 ratio and adjustable via handgrip or foot control panel</td>
</tr>
<tr>
<td><strong>Focusing (Varioskop®)</strong></td>
<td>Internal, motorized, continuously variable, adjustable via handgrip or foot control panel</td>
</tr>
<tr>
<td><strong>Working range</strong></td>
<td>- 200 – 415 mm&lt;br&gt;- 210 – 535 mm with auxiliary lens (optional)</td>
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<tr>
<td><strong>Main binocular tube</strong></td>
<td>- 180° Tilted tube, f = 170 mm, 10x or 12.5x widefield eyepieces&lt;br&gt;- Foldable tube f170/f260, including PROMAG™ function for additional 50% magnification and integrated rotate function (optional)</td>
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<tr>
<td><strong>Illumination</strong></td>
<td>Superlux® 180 for main and backup illumination: 180 W xenon lamp with daylight color temperature, backup lamp in fast-action lamp changer</td>
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<tr>
<td><strong>Rated voltage</strong></td>
<td>115 / 230 V ± 10%</td>
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<tr>
<td><strong>Rated frequency</strong></td>
<td>50–60 Hz</td>
</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>115 V ± 10%&lt;br&gt;230 V ± 10%</td>
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<tr>
<td><strong>Circuit breaker</strong></td>
<td>Automatic</td>
</tr>
<tr>
<td><strong>Interface for micromanipulator</strong></td>
<td>Available (optional)</td>
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Technical Data

**Suspension systems**

**S88 Floor Stand**
- Rigid Column: 1880 mm
- Lifting Column: 1880 – 2410 mm

**S81 Ceiling Mount**
- Fixed Height Column:
  - approx. 225 kg (with OPMI)

**S8 Ceiling Mount**
- Height adjustable Column:
  - approx. 250 kg (with OPMI)
The moment you expand the surgical boundaries beyond what seems possible. This is the moment we work for.