OPMI Vario
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, 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 OPMI Vario is a flexible microscope for neurosurgery, spine surgery, ENT and PaR 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

OPMI Vario
Efficiency and versatility in one

The stereo co-observation tube allows the assistant to easily assume a comfortable position on either side of the surgeon.

The symmetrical stereo bridge enables the surgeon and the assistant to work together efficiently in face-to-face procedures.
Options
Tailored to your needs

The modular design of 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 ensures 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.

The five-button panel for the ZEISS Navigation Interface facilitates image guided surgery.

XY coupling enables precise repositioning of the microscope.

The ultra-compact TRIO 610 3-Chip HD camera provides high definition video quality.

The 15” TFT monitor ensures that all OR staff – assistant, nurse or student – is able to follow the procedure.

MEDIALINK™ 100 boosts the efficiency of image and video data management during daily clinical use.

Optics and illumination

The auxiliary lens increases working distance and allows for better visibility in narrow, deep-lying approaches.
All-rounder
Serving your surgical discipline
### OPMI Vario

#### Technical Specifications

**S88/OPMI Vario**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Magnification</td>
<td>Motorized ZEISS zoom, 1:6 ratio and adjustable via handgrip or foot control panel</td>
</tr>
<tr>
<td>Focusing (Varioskop)</td>
<td>Internal, motorized, continuously variable, adjustable via handgrip or foot control panel</td>
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<tr>
<td>Working range</td>
<td>- 200 – 415 mm</td>
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<tr>
<td></td>
<td>- 210 – 535 mm with auxiliary lens (optional)</td>
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<tr>
<td>Main binocular tube</td>
<td>- 180° Tiltible tube, f = 170 mm or f = 200 mm, 10x or 12.5x widefield eyepieces</td>
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<td></td>
<td>- Foldable tube f170/f260, including PROMAG™ function for additional 50% magnification and integrated rotate function (optional)</td>
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<tr>
<td>Illumination</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>Rated voltage</td>
<td>115/230 V ± 10%</td>
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<tr>
<td>Rated frequency</td>
<td>50 – 60 Hz</td>
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<tr>
<td>Power consumption</td>
<td>115 V, max. 10 A</td>
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<tr>
<td></td>
<td>230 V, max. 8 A</td>
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<tr>
<td>Circuit breaker</td>
<td>Automatic</td>
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<tr>
<td>Interface for micromanipulator</td>
<td>Available (optional)</td>
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#### 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.