

OPMI Vario/S 88 System

Expand your vision



We make it visible.

OPMI Vario/S 88 System
See the difference Zeiss makes

Extend your horizons

OPMI Vario/S 88 System



Photos:

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



ENT

Our senses make life worth living

Ever since the introduction of the first surgical microscope in 1953 – truly a landmark event that ushered in a totally new era – ENT Surgery has always played a pioneering role in the advancement of microsurgery. Carl Zeiss has endeavoured to continuously support this development by providing physicians with the best possible surgical visualization solutions.

Hearing, speaking, smelling, tasting – our sensory organs determine how we experience the world we live in. If they no longer function optimally, we suffer a severe impairment of the quality of our lives.

Precision – a must in the ear

Middle ear surgery, and skullbase surgery in particular, today represents a key application area

in ENT surgery. Cochlear implants, middle ear prostheses and tumors at the skullbase represent the major challenges confronting surgeons in this discipline. To ensure that a patient's hearing is not impaired, surgeons must proceed with the utmost care. The tools they use must allow them to work with maximum precision. A requirement that our OPMI Vario/S 88 System – thanks, for example, to its magnetic brakes – is definitely well poised to meet.

Navigation – Guidance in the nose

When operating with a surgical microscope in the sinuses, integration with image guidance is fast becoming the gold standard. The proven Zeiss navigation interface has been licensed to virtually every leading IGS vendor, allowing a seamless integration of our OPMI Vario/S 88 System

with the surgeon's navigation system and providing an optimal environment for navigated sinus surgery.

Preserving the functions of the throat

Preserving a patient's laryngeal functions is a key objective in larynx carcinoma surgery. An aid for achieving this goal is the Varioscope optical system of the OPMI Vario. It allows the surgeon to remain in a comfortable position even when the working distance changes during the procedure. Focusing the system is easily achieved via the buttons on the handgrips.



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



Perfection – before your very eyes

*Fingertip control of focus,
zoom and positioning.
Plus, two programmable
buttons bring many other
functions, such as light
intensity and image capture,
into the surgical field.*

1:6 Zeiss zoom system

*Varioscope with a
continuously variable
working distance from
200 mm to 415 mm.*





**Zeiss
optical excellence**

Legendary Zeiss optics form the heart of the OPMI Vario microscope. The newest apochromatic design delivers extraordinary image quality, improved resolution and incredible color fidelity.

A Varioscope that ranges from 200 to 415 mm coupled with the renowned 1:6 Zeiss zoom ensures that these incredible optics are always ergonomically at your service. In combination with the integrated Superlux 180 Xenon light source, even the finest details are brilliantly visible.

Manual focus adjustment

Spot illumination allows individual adjustment of the illumination field.

Extend your capabilities

*MediLive 1CCD Camera
in Compact Adapter*



*MediLive 3CCD
Advanced Digital Camera
mounted on Video Objective Lens*



Foot Control Panel



*Five-button Panel
for the Zeiss
Navigation Interface*





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Rising to the occasion - the S 88 floor stand



The OPMI Vario is available on S 88 floor stand with a fixed height or power column or on S 8 or S 81 ceiling mount. Thanks to the optional power column, the OPMI Vario/S 88 System can be easily adjusted to the perfect height for any procedure.



Your flexible pillar of strength

For good visualization, a rock-steady suspension system is an absolute must – precisely what our S 88 floor stand and S 8 and S 81 ceiling mounts have been designed to provide. The magnetically locked axes on the lifting arm of the suspension system and the OPMI Vario

ensure that, once positioned, the microscope stays where it is. The magnetic brakes for the OPMI and the suspension system can also be released either in their entirety or selectively.



Technical Data

The LCD display can be used to view, activate and customize all personal settings for up to 9 surgeons.



Even the finest details are readably visible with our 180 W xenon illumination.



The wrap-around handle allows the OR staff to move the suspension system with the utmost precision.



Four rotatable castors guarantee optimum positioning of the system over small and longer distances.



OPMI Vario

Magnification:

Motorized Zeiss zoom, 1:6 ratio, adjustable via handgrip or foot control panel.

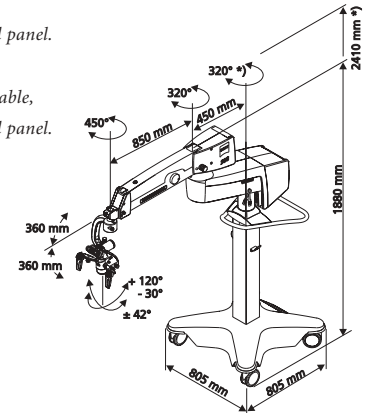
Focus System:

Internal, motorized, continuously variable, adjustable via handgrip or foot control panel.

Working Range: 200 – 415 mm

Main Binocular Tube:

Inclinable 0°-180° with 10x/21B widefield eyepieces.



S 88 Floor Stand

S 88 Floor Stand

Available Versions:

Fixed Height Column 1880 mm

Power Column 1880-2410 mm

Line Voltage: 115/230 V ± 10%

Line Frequency: 50 – 60 Hz

Power Consumption: 115 V max. 10 A

230 V max. 8 A

Line Protection:

Automatic Circuit Breaker

Weight:

Fixed Height Column: approx. 225 kg (complete with OPMI)

Power Column: approx. 250 kg (complete with OPMI)

Compliance:

DIN EN ISO 9001

EN 46001

ISO 13485

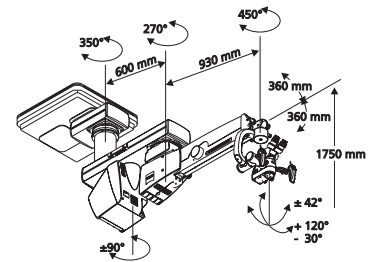


Superlux 180 Light Source

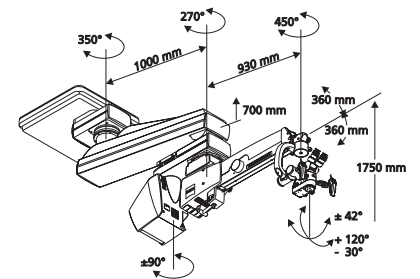
Main Illumination and Backup

Illumination:

180 W Xenon daylight color temperature lamp delivered via fiber-optic light guide in fast action changer.



S 81 Ceiling Mount



S 8 Ceiling Mount

* Power Column

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Experience the amazing possibilities offered by the
OPMI Vario/S 88 System from Carl Zeiss in:

1. *Neurosurgery*
2. *Spine Surgery*
3. *Plastic & Reconstructive Surgery*
4. *ENT Surgery*



For information, please contact:

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Carl Zeiss Surgical, Inc.

One Zeiss Drive
Thornwood, NY 10594

Tel.: 800-442-4020

Fax: 800-882-1554

E-mail: surgical@zeiss.com
www.zeiss.com/surgical

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