OPMI VISU 160
Stay Flexible
OPMI VISU 160
As Multifaceted as the Challenges of Ophthalmic Surgery

OPMI VISU® 160 was designed specifically for hospitals that perform a broad spectrum of ophthalmic surgical procedures.

The versatile configuration and accessory options are tailored to meet the needs of the surgeon:

- DeepView function, the depth of field management system that allows you to choose between optimized depth perception or maximum light transmission.
- Integrated slit illumination for true retro-illumination during lens extraction.
- Ergonomic handgrips for precise positioning.
- Apochromatically corrected optics.
- With BrightFlex illumination, consisting of 2° and fading 6° illumination, for a clear red reflex and good light conditions.
- Extensive array of accessory options, such as co-observation, video and digital recording/editing systems.
DeepView
You’re in Control

DeepView is a feature, offering both versatility and total control.

At the push of a button, the surgeon chooses what type of view will be seen through the microscope.

Activate DeepView for maximum depth perception at all magnification levels. Deactivate DeepView for a bright and clear resolution even at low light intensities.
The Versatility of the OPMI VISU 160

The S7 floorstand, winner of the prestigious European red dot award for design quality, and its counterpart, the S7 ceiling mount.

**Floorstand vs. Ceiling Mount**
Which of the two is a better fit depends on your personal requirements and how much space is available in your operating room. One feature, however, is common to both: the extraordinary reach of the S7 arm (120 cm radius).

**Custom fit**
Easily adjust the speed of the zoom, focus and X-Y movements to your requirements. Your settings are automatically saved. Changes during the procedure? As easy as the touch of a button!

**Efficiency is within reach**
Operating room personnel can easily position the surgical microscope. The suspension arm can be effortlessly moved and reliably secured.

**Details that matter**
An operation should never be interrupted because of a burned-out bulb. Main halogen light suddenly burns out? The S7 system automatically switches to the back-up bulb.
Seeing is Believing
Another Fresh Perspective

**Integrated Slit Illumination**
OPMI VISU 160 is equipped with integrated slit illumination. This innovative feature offers a contrast-rich detail recognition. It provides for example, a true retro-illumination during lens extraction.

**Four eyes are better than two**
The stereo co-observation tube; the flexible viewing solution for assistants and students.

**Easy motion in focusing plane**
An optional X-Y coupling enables guided movement in X-Y plane. The push of a button returns both the X-Y coupling and focus to their original starting position.

**For picture-perfect documentation**
Carl Zeiss provides video cameras for a wide range of requirements and budgets, from 1 chip cameras to 3 Chip HD Camera System with apochromatic video optics.

Images: Joseph F. Gravlee, Jr., M.D., Fairhope, AL, USA
Surgical microscope
Apochromatic optics with T* anti-reflex multi-coating
Motorized zoom system. Zoom ratio 1:6, γ=0.4 to 2.4
Focusing range: 50 mm
DeepView: Depth of field management system

X-Y coupling
Adjustment range 40 mm x 40 mm

Illumination
BrightFlex™ illumination: ● 6° illumination, continuous fading; ● +2° illumination for red reflex
Integrated slit illumination
Vertical: width 2.5 mm
Horizontal: width 2.5 mm and 5 mm, movable
Integrated 408 nm UV cut-off filter
Swing-in GG475 filter to reduce blue portion
Swing-in KK40 daylight filter in suspension system
Scleral glare reduction filter
Fiber light guide
Halogen light source (12 V, 100 W)
Automatic exchange following bulb failure
Optional: swing-in fluorescence filter in suspension system

Optical systems
<table>
<thead>
<tr>
<th>Objective lens (mm)</th>
<th>f=200 mm</th>
<th>f=175 mm</th>
<th>f=200 mm</th>
<th>f=175 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyepiece</td>
<td>10x</td>
<td>10x</td>
<td>12.5x</td>
<td>12.5x</td>
</tr>
<tr>
<td>Total magnification*</td>
<td>3.4x – 20.4x</td>
<td>3.9x – 23.3x</td>
<td>4.3x – 25.5x</td>
<td>4.9x – 29.1x</td>
</tr>
<tr>
<td>Field of view diameter*</td>
<td>10.0 mm – 60.6 mm</td>
<td>8.8 mm – 53.0 mm</td>
<td>8.6 mm – 51.8 mm</td>
<td>7.5 mm – 45.3 mm</td>
</tr>
</tbody>
</table>

* rounded

Suspension systems
S7 / OPMI VISU 160 floorstand
S7 / OPMI VISU 160 ceiling mount with lifting column
S7 / OPMI VISU 160 ceiling mount with rigid column
The moment innovation and passion lead to the best vision for your patient. **This is the moment we work for.**