OPMI pico from ZEISS

Quality you can see.
Performance you can feel.
Restorative dentistry
Quickly detect enamel and dentine fractures as well as approximal caries. High-precision views enable accurate assessment of crown edges, preparation levels and veneers.

Image courtesy of Dr. Wolfgang Gansler
Illertissen, Germany

Endodontics
Visualize fine anatomical structures and details of root canals and isthmuses. The visibility provides a clear view down to the apex.

Image courtesy of Oscar Freiherr von Stetten
Stuttgart, Germany

Implantology
Conduct high-precision examinations and implant treatments quickly and confidently. Reliably detect important anatomical structures.

Image courtesy of Dr. Behnam Shakibaie
Tehran, Iran

Periodontics
Benefit from support for soft-tissue evaluation and management to aid healing, low scarring and improved cosmetic outcomes.

Image courtesy of Dr. Rino Burkhardt
Zurich, Switzerland
ZEISS OPMI pico
Quality you can see

OPMI® pico from ZEISS makes details and fine structures clearly visible. It enables you to better visualize the regions of interest and consistently provide your patients with high-quality examinations and treatments.

The compact, high-performing, easy-to-use ZEISS OPMI pico offers solid support for the most demanding applications — whether in restorative dentistry, endodontics, implantology or periodontics.

ZEISS OPMI pico’s cost-effective illumination options offer solutions for all specialized dental offices to meet your standards and needs. Complete integration of the light source makes it easier to clean the system.

Highly ergonomic functions enable various users to conveniently adjust the focal length while maintaining their preferred working posture.

ZEISS OPMI pico also features camera options to facilitate patient consultation and documentation; depending on the specific needs in your practice.
For a better view

ZEISS OPMI pico enables you to visualize high-contrast, true-color images – the key to improving the quality of the examination and treatment.

With ZEISS OPMI pico, optics and illumination go hand in hand.

View the whole mouth
The Varioskop® 100 objective lens allows you to adjust the focal length over a large range (100 mm) to focus on virtually any image detail – large or small – from the entire mouth down to fine anatomical structures.

Better overview
The large field of view lets you visualize the entire oral cavity – providing a more comprehensive view and improved orientation of the horizontal axis.
Illumination for dentistry
The choice is yours:
ZEISS OPMI pico is available with halogen, LED and xenon

Halogen for standard applications
For all standard applications and routine examinations in your daily practice.

LED for premium applications
For color rendition and light that strongly resembles natural daylight. It is a very cost-effective and virtually maintenance-free light source. The very low heat output requires minimal ventilation and produces very low noise levels.

Xenon for premium plus applications
For highest demands and professional documentation, the shadowless illumination puts light exactly where it is needed. Even root canals are perfectly illuminated and imaged.

Wide-field eyepieces provide a large field of view with a 3D image
Special diopter settings also make them suitable for eyeglass wearers.

More time for one treatment
Orange filter prevents premature curing.

Full overview of fine details
ZEISS OPMI pico delivers high-quality images at every magnification level.

Full overview – from optimum to maximum
The Foldable Tube f170 / f260 boosts 150% detail magnification with the PROMAG™ function.

Image courtesy of Dr. Wolfgang Gänsler Illertissen, Germany

Image courtesy of Dr. Bijan Vahedi Augsburg, Germany
A stiff neck, a sore back – things you experience all too often after a hard day’s work. With ZEISS OPMI pico and features like the Varioskop 100, MORA interface, 180° tiltable tube, Foldable Tube f170/f260 and the specially tailored ergonomic handgrips, these are all a thing of the past.

You can sit comfortably in an upright, ergonomically correct position during treatment for a more relaxed working day.

For better ergonomics
More comfort
Varioskop 100 enables users to conveniently adjust the focal length without leaving their preferred working position – a true advancement that helps prevent neck strain and back problems.

Greater depth
Varioskop’s adjustment knob allows you to adapt the focal length over a large distance to focus on the whole mouth as well as minute details in the vertical axis – without moving the ZEISS OPMI pico.

Ergonomic design in your hands
Adjustable connectors make it possible to individually arrange the handgrips. Ergonomically correct angles for dental treatments are provided.

Comfortable overview
The MORA interface allows you to maintain a comfortable upright viewing position at all times, regardless of the angle of the system. You’ll never have to take your eyes off your patient.

Adjust the ZEISS OPMI pico to you and not vice versa
Reduce or increase the distance for the required treatment field as needed with the patented multi-link design of the Foldable Tube f170/f260. With its long reach, this highly flexible system easily accommodates the needs of the user and different positions of the patient.
To create more trust

Real-life pictures are very convincing. ZEISS OPMI pico can accommodate a full HD video camera, allowing you to present patients with high-definition material to explain procedures. In addition, you can vividly display results at conferences. Recordings can be used either to teach anatomy and procedures or to simply document work in HD quality.

Integrated camera advantages

- The integrated full HD video camera delivers images with definition and differentiation of details
- All functional elements are completely integrated into the system to avoid workspace clutter
- Conveniently fine-tune images with single button operation of the integrated video control console
- Ready for use when ZEISS OPMI pico is switched on
- Supports co-observation and documentation
- Simplified cleaning of the housing
**Integrated HD video camera**

The choice is yours.

Depending on your specific practice needs – you can choose between three integrated HD video camera versions for intuitive handling and direct access to the most important features on the control board:

- **HD-ready 720p**
  Live video quality

- **Full HD 1080p**
  For highest demand of live video quality

- **Live & streaming (Full HD 1080p) with recording license**
  1. Stream live video into the network for viewing through various devices.
  2. Smart Recording: Record video that occurred 30 seconds in the past.
  3. Record onto shared network or USB device as well as facilitate easy transfer of still images and HD videos to patient management software.
  4. Create Full HD images during recording or from a recorded video.

Image courtesy of Dr. Bijan Vahedi Augsburg, Germany
**Integrated Full HD 1080p camera**

High-definition for your patient consultation or documentation.

**MORA interface**

Lets you conveniently and precisely move ZEISS OPMI pico into the desired position.

**Foldable Tube f170/f260**

Supports an almost unlimited variety of working positions.

**Brightness control**

Adjustment at your fingertips while you are working.

**Ergonomic handgrips**

 Convenient positioning with the ergonomic handgrips.

**Varioskop 100 optics**

Adjust the focal length over a large range to focus on the whole mouth or minute details.
For better integration

A highly compact instrument with a small footprint, ZEISS OPMI pico fits seamlessly into virtually any practice workflow environment. Simply plug in the cable, switch the power on, and the ZEISS OPMI pico is ready for use.

**Integrated light source**
In addition to LED, ZEISS OPMI pico is also available with integrated halogen and xenon illumination. Control the brightness at your fingertips while you are working.

**Intuitive video adjustment**
Conveniently operate images with single button operation of the integrated video control console. Once the power is on, ZEISS OPMI pico is ready for recording, documentation and communication.

**Complete integration of technology and design in the suspension arm for a well-balanced architecture**
Functional elements such as the video control console, HD video camera, cables, light sources and light guides are completely integrated into the stand to avoid workspace clutter.

**Workplace integration**
ZEISS OPMI pico is compatible with a large variety of dental treatment units from other manufacturers.
## Technical data

**S100/OPMI pico from ZEISS**

### Basic configuration

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<th>Feature</th>
<th>Description</th>
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<td>Manual apochromatic magnification changer</td>
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<td><strong>Eyepieces</strong></td>
<td>12.5x wide-field eyepieces; also suitable for eyeglass wearers</td>
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<tr>
<td><strong>Tubes</strong></td>
<td>Inclined 45° binocular tube, f = 170 mm</td>
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<td><strong>Focus</strong></td>
<td>f = 250 mm, focusable</td>
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<tr>
<td><strong>Illumination system</strong></td>
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<td><strong>Handgrip</strong></td>
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<td><strong>Mount mobility</strong></td>
<td>120° coupler</td>
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<td><strong>Suspension system</strong></td>
<td>Floor stand</td>
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![Diagram of S100/OPMI pico from ZEISS](image-url)
### Configuration options

**Eyepieces**
- 10x wide-field eyepieces with reticle; also suitable for eyeglass wearers
- 12.5x wide-field eyepieces with reticle

**Tubes**
- Tilt tube 0°-180°, f = 170
- Foldable tube f170/1260 with PROMAG function boosts to 150% detail magnification

**Focus**
- Varioskop 100, focusable working distance 200–300 mm
- f=200 mm, focusable
- f=300 mm, focusable

**Illumination system**
- LED or Xenon illumination

**Handgrips**
- Comfort handgrips
- Front handgrips
- T-handgrip

**Mount mobility**
- MORA interface without 120° coupler
- MORA interface with 120° coupler

**Suspension system**
- Suspension mount
- Centro mount
- Ceiling mount
- Wall mount (wallplate)

### Accessory options

**Integrated video camera**
- HD-ready 720p
- Full HD 1080p
- Live & streaming (Full HD 1080p) with recording license
- Cables
- HD monitors

**External video solutions**
- Adapter for single lens reflex cameras
- FlexioStill™ adapter for digital cameras
- FlexioMotion™ adapter for digital camcorders

**Asepsis**
- Splash protection for the objective lens
- VisionGuard® drapes for sterile work environment

**Optics**
- Double iris diaphragm to increase the depth of field

**Others**
- Instrument tray on floor stand
The moment you see a hidden detail reveal a visible success. **This is the moment we work for.**