EyeMag Medical Loupes from ZEISS
Seeing is believing
**ZEISS EyeMag Medical Loupes**

**Precision at first sight**

Medicine today requires meticulous attention to detail. Seeing tiny anatomical structures isn’t possible without correct magnification and high quality optics. Clarity and precision enable successful treatments and high quality care.

EyeMag® medical loupes from ZEISS offer premium optical performance for first-time and experienced users. Equipped with LED illumination, the advanced visualization tools provide great image clarity and depth of field over the entire treatment area. Easy to use and comfortable to wear, ZEISS EyeMag medical loupes combine elegance with functional design in a wide range of working distances and magnification levels.

**ZEISS EyeMag Smart**

- With 2.5x magnification, ideal for applications that require a large field of view and excellent depth of field
- Available with titanium eyeglass frame or fashionable sports frame

**ZEISS EyeMag Pro F and ZEISS EyeMag Pro S**

- Edge-to-edge sharpness with up to 5x magnification, ideal for users with high magnification needs
- Available with titanium eyeglass frame or comfortable headband

**EyeMag Light II**

- Powerful EyeMag Light II* for high detail recognition and an unaltered view of tiny structures
- Perfect fit for all ZEISS EyeMag medical loupes

*Product of SCHOTT AG*
ZEISS EyeMag Smart
See the whole picture with stunning detail

With 2.5x magnification, ZEISS EyeMag Smart medical loupes provide images with good color rendition of anatomical structures. The large field of view and good depth of field allow easy visualization of the entire treatment area. When magnification is not needed, the loupe can simply be flipped up, offering the wearer an unobstructed view.

Available in an elegant, lightweight titanium or sports frame, ZEISS EyeMag Smart medical loupes feature a range of settings for flexible tilt and angle views and a comfortable, ergonomic fit. Quick and easy to adjust, the medical loupe settings remain stable. The result: the ZEISS EyeMag Smart is a good choice for users requiring a compact and easy-to-operate medical loupe.

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Style, function and comfort
ZEISS EyeMag Smart medical loupes are also available with a compact, lightweight and stylish sports frame, providing good wearing comfort during longer procedures. The curved lens design protects the wearer against splash and debris.

Elastic headband
Optimal weight distribution ensures a perfect fit
Experienced users with higher magnification needs will appreciate the advanced visualization capabilities of the ZEISS EyeMag Pro. Available in various magnification levels (3.2x–5x), ZEISS EyeMag Pro medical loupes provide high-contrast stereoscopic images with edge-to-edge sharpness for detail recognition and differentiation. When magnification is not needed, the loupe can simply be flipped up.

Fitted in either a lightweight titanium eyeglass frame (ZEISS EyeMag Pro F) or with a headband (ZEISS EyeMag Pro S), the medical loupes offer settings for a wide range of tilt and angle views while supporting a comfortable, ergonomic working position. Settings are quick and easy to adjust and remain stable at all times.
ZEISS EyeMag Pro S
with headband

Locking lever
Set the eyepiece tilt to any desired viewing angle – even for extreme treatment positions

Washable textile pads
Maximum wearing comfort, easy removal and cleaning

Vertical adjustment
Fast and easy positioning of the optics

Elastic headband
Optimal weight distribution ensures a perfect fit

Adjusts to the shape of your head
Quick and easy adjustment for individual needs

Headband
Provides even weight distribution and comfort
EyeMag Light II
Lighting the way

The powerful lighting of the EyeMag Light II maximizes illumination intensity for high detail recognition. Combined with high-quality ZEISS optics, the LED illumination provides a clear, sharp view of tiny details and structures thanks to its close resemblance to daylight and even distribution of light.

Two powerful rechargeable battery packs can each be operated with full light intensity for approximately 4 hours. Both battery packs and a charging cradle are part of the standard package and allow practically interruption-free work – 24/7. The compact, portable, and ergonomic design optimizes comfort for daily use across a wide range of procedures.

**Active temperature control**
Intelligently designed to protect against overheating of the light source, ensuring maximum comfort for the user

**Adapter**
Easy attachment to all ZEISS EyeMag medical loupes

**Power cable**
Flexible for maximum mobility

**Powerful LED light source**
Bright illumination of the entire field of view

**Fully illuminated field of view**
in combination with ZEISS EyeMag Smart and EyeMag Pro
Illumination as needed – flexible and mobile

In combination with ZEISS EyeMag Pro F and EyeMag Pro S medical loupes, EyeMag Light II offers almost coaxial light, resulting in minimal shadow formation.

Two rechargeable battery packs with a convenient charging cradle for practically interruption-free work.

Single button
3-step intensity control

Charge level indicator

Practical belt clip
for freedom of movement

24/7

Battery uptime

Battery charge time

Unlike illuminations with conventional lens configurations, EyeMag Light II with its clearly defined illuminated field offers even and powerful illumination across the entire field of view of your ZEISS loupes.
Personalized magnification and illumination
Select the optimal medical loupe design and configuration for you

**ZEISS EyeMag Smart**
- Flip-up medical loupes featuring a Galilean design
- 2.5x magnification provides large fields of view for optimal visualization of the surgical area
- Easy, intuitive operation – ready for use in seconds
- Comfortable, ergonomic fit
- Available with two different carriers:
  - ZEISS EyeMag Smart with titanium eyeglass frame
  - ZEISS EyeMag Smart with sports frame
- Compatible with EyeMag Light II LED illumination

**ZEISS EyeMag Pro F and ZEISS EyeMag Pro S**
- Flip-up medical loupes featuring a Kepler design
- For users with high magnification demands
- Large selection of different models available in different combinations of magnification levels and working distances
- Available with two different carriers:
  - ZEISS EyeMag Pro F with titanium eyeglass frame
  - ZEISS EyeMag Pro S with headband
- Compatible with EyeMag Light II LED illumination
Measure your working distance

Measure the typical distance from your eyes to the object of interest to determine the preferred working distance.

Select the right combination

For the selected working distance, decide what combination of magnification and field of view will best suit your application. An overview of all fields of views and magnification levels is available on pages 12/13.
The optical properties
Fields of view (actual size)

The following fields of view are possible depending on the working distance and the desired magnification. These determine the selection of your individual medical loupe.

### Optical properties

<table>
<thead>
<tr>
<th>Working distance (mm)</th>
<th>300</th>
<th>350</th>
<th>400</th>
<th>450</th>
<th>550</th>
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<tbody>
<tr>
<td>Working distance (inches)</td>
<td>12</td>
<td>14</td>
<td>16</td>
<td>18</td>
<td>22</td>
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<tr>
<td>Magnification</td>
<td>2.5x</td>
<td>2.5x</td>
<td>2.5x</td>
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<td>2.5x</td>
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<tr>
<td>Field of view (mm)</td>
<td>67</td>
<td>77</td>
<td>86</td>
<td>96</td>
<td>115</td>
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<td>20</td>
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<td>4x</td>
<td>5x</td>
<td>3.6x</td>
<td>4.5x</td>
<td>3.5x</td>
</tr>
<tr>
<td>Field of view (mm)</td>
<td>56</td>
<td>44</td>
<td>71</td>
<td>56</td>
<td>86</td>
</tr>
</tbody>
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## Technical data

Eyemag Medical Loupes from ZEISS

### EyeMag Smart

- **Standard delivery package of EyeMag Smart with titanium frame and sports frame**
  - **Optics**: Featuring a Galilean design
  - **Carriers**:
    - Titanium eyeglass frame
      - Sizes: S, M, L with elastic headband and soft nose bridge
    - Sports frame with elastic headband and soft nose piece
  - **Lens protection device**: Shields the objective lens against splashes and particles
  - **Contact guard**: Sterilizable to reliably swing loupes up and down
  - **Side shields for EyeMag Smart**: Side protection against splashes and particles
  - **Soft case**: High-quality, shock-proof protection for your medical loupes and accessories

### EyeMag Pro F

- **Standard delivery package of EyeMag Pro F and EyeMag Pro S**
  - **Optics**: Featuring a Kepler design
  - **EyeMag Pro F Carrier**: Titanium eyeglass frame
    - Sizes: S, M, L with elastic headband and soft nose bridge
  - **EyeMag Pro S Carrier**: Headband, which can be adjusted to wearer’s head
  - **Lens protection device**: Protects against splashes and particles with ZEISS anti-reflective coating
  - **Contact guard**: Sterilizable to reliably swing loupes up and down
  - **Side shields for EyeMag Pro F**: Side protection against splashes and particles
  - **Soft case**: High-quality, shock-proof protection for your medical loupes and accessories

### EyeMag Light II*

- **Standard delivery package of EyeMag Light II**
  - **Bulb housing**: Powerful LED light source with integrated temperature control
  - **Control unit**: With 3-step intensity control, charge level indicator and belt clip
  - **Adapter for ZEISS loupes**: To attach the EyeMag Light II LED illumination to EyeMag Smart, EyeMag Pro F and EyeMag Pro S
  - **Cable clip**: To connect the lamp cable to the carrier
  - **Soft case**: High-quality, shock-proof protection for your light source and accessories
  - **Orange filter (for dental applications)**: Swing-in orange filter for EyeMag Light II prevents premature curing of composite materials
  - **Light intensity**: Up to 50,000 Lux (at distance of 300 mm)
  - **Typical color temperature**: Resembles daylight (approx. 5,700 Kelvin)
  - **Weight of illumination head**: 19 gr (0.6 oz)
  - **2 batteries**: 2 medical grade lithium-ion smart batteries for fast charging
  - **Battery charger**: Processor controlled with country-specific power adaptor
  - **Battery run time (with one battery)**: Around 4 hours at 100% light intensity and 6.5 hours at 33% light intensity
  - **Battery charge time**: 2–3 hours

*Product of SCHOTT AG
The moment medical technology leads to something very human: patients smile again. This is the moment we work for.
Manufacturers

EyeMag medical loupes from Carl Zeiss Meditec AG
EyeMag Light II is a product of SCHOTT AG