

Binocular Loupe 2.5x, 420 mm Working Distance

Instructions for Use

Surgical Magnification Loupe

Intended use

Head-worn 2.5x binocular magnifying loupe for close-up viewing during dental, surgical, veterinary and other precision work.

Intended users

For use by trained healthcare professionals (dental, surgical, veterinary) and other professionals doing close precision work. Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- Never look at the sun or any intense light source through the loupe.
- Do not leave the loupe in direct sunlight; the lenses can focus light and cause burns or fire.
- Allow time to adapt to magnification before using the loupe during procedures.
- Flip the oculars up when walking or moving around to avoid misjudging distances.
- Do not use if a lens is cracked or loose.
- The loupe is not protective eyewear; use appropriate eye protection where splash or debris risk exists.
- Clean and disinfect frame contact surfaces between users per facility protocol.

2. Package contents

- Binocular loupe x 1
- Protective carry case

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Magnification	2.5x (Galilean-type optics)
Working distance	420 mm
Field of view	60 mm
Depth of field	80 mm
Frame	Flip-up design
PD adjustment	One-step pupillary distance adjustment
Viewing angle	Adjustable angulation
Prescription	No integrated prescription correction

4. Unpacking and setup

- 1 Remove the loupe from the case and inspect the lenses and frame.
- 2 Put on the loupe and adjust the frame for a secure, comfortable fit.
- 3 Set the pupillary distance so you see a single, round, clear image with both eyes.
- 4 Adjust the viewing angle so you can look through the oculars with your head in a comfortable, upright posture.
- 5 Check focus at your working position, about 420 mm from the work area.

5. Operation

Using the loupe

- 1 Position yourself so the work area is at about 420 mm from your eyes.
- 2 Flip the oculars down into the viewing position.

- 3 Look through both oculars; move slightly closer or farther until the image is sharp.
- 4 Keep your head and neck in an upright, relaxed position; readjust the viewing angle if needed.
- 5 Flip the oculars up when you need normal vision or are moving around.
- 6 Take regular breaks to reduce eye strain.

Using with an add-on light

- 1 Check that any headlight you plan to use is compatible with the loupe frame.
- 2 Mount the light according to the light manufacturer's instructions.
- 3 Aim the light so it illuminates the center of the field of view.
- 4 Do not look directly into the light.

6. Cleaning and disinfection

- Blow or brush loose dust off the lenses first.
- Clean lens surfaces gently with lens tissue or a microfiber cloth and lens cleaner.
- Do not use abrasives or harsh solvents on lens coatings, and do not apply alcohol directly to the lenses.
- Wipe the frame and nose pads with a mild disinfectant compatible with plastics, per facility protocol.
- Do not immerse the loupe or autoclave it.

7. Maintenance and storage

- Store in the protective case when not in use.
- Keep away from heat, humidity and direct sunlight.
- Check hinges, PD adjustment and flip mechanism regularly for loosening.
- Do not place the loupe lens-down on hard surfaces.

8. Troubleshooting

Problem	Likely cause	What to do
Double image	PD not set correctly	Readjust the pupillary distance until a single image is seen.
Image blurred	Not at the correct working distance	Move closer or farther until the image is sharp, about 420 mm.
Neck or eye strain	Viewing angle or posture incorrect	Readjust the viewing angle so you can sit upright; take regular breaks.
Hazy image	Dirty lenses	Clean the lenses with lens tissue and lens cleaner.
Oculars will not stay in position	Flip mechanism loose	Tighten gently if adjustable; contact the supplier if it continues.

9. Disposal

- Clean the loupe before disposal.
- Dispose of in accordance with local regulations for mixed glass, metal and plastic items.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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