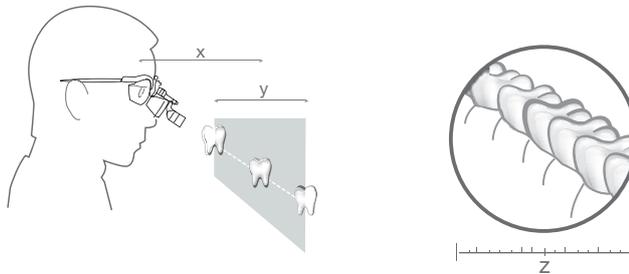


Various magnifications (from 2.3x to 6x), working distances, wearing options (unique S-FRAME, Lightweight Headband and Headband Professional L) and LoupeLight 2 illumination systems are available. They provide homogeneous, reflex-free illumination even in deep cavities. State-of-the-art LED HQ technology and design!

HEINE Binocular Loupes are used in many disciplines: e.g. General Medicine, Dermatology, Surgery, Cosmetic Surgery, Neurosurgery, ENT, Ophthalmology, Veterinary Medicine, Dentistry etc.

### Definitions:

- ∴ **Working distance (x)**  
The distance, at which the optics of a loupe are sharply-focused.
- ∴ **Depth of field (y)**  
The range over which the image remains sharply-focused.
- ∴ **Field of view (z)**  
The area that can be seen under magnification at the nominal working distance.



### How to choose the correct Loupe:

- ∴ **Choose your magnification**  
Choose the lowest magnification that meets your needs. The lower the magnification, the larger the field of view and the easier the loupe will be to use.
- ∴ **Choose your optics**
  - HR:** High-Resolution achromatic optics with excellent optical qualities.
  - HRP:** High Resolution Prismatic optics with excellent optical qualities for 3.5x magnification and higher.
  - C:** Economy.
- ∴ **Choose your working distance**  
This is an individual choice depending on the examiner's size and working position. The longer the working distance, the bigger the field of view.
- ∴ **Choose your mounting option**  
Spectacle frame or Headband.
- ∴ **Add illumination**  
Coaxial bright light is especially-important when using magnification.

HEINE Binocular Loupes

|   | HR                                   | HRP                      | C                        |
|---|--------------------------------------|--------------------------|--------------------------|
|   |                                      |                          | <br>C 2.3K<br>C 2.3      |
| <b>Magnification</b>                    |                                      |                          |                          |
| 2.3x                                    |                                      |                          | <input type="checkbox"/> |
| 2.5x                                    | <input type="checkbox"/>             |                          |                          |
| 3.5x                                    |                                      | <input type="checkbox"/> |                          |
| 4x                                      |                                      | <input type="checkbox"/> |                          |
| 6x                                      |                                      | <input type="checkbox"/> |                          |
| <b>Working distance</b>                 |                                      |                          |                          |
| 250mm<br>(with close-up lenses)         | <input type="checkbox"/>             | --                       | --                       |
| 340mm                                   | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> |
| 420mm                                   | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| 450mm                                   | --                                   | --                       | <input type="checkbox"/> |
| 520mm                                   | <input type="checkbox"/>             | --                       | --                       |
| <b>Mounting options</b>                 |                                      |                          |                          |
| <b>S-FRAME</b>                          |                                      |                          |                          |
| <br>Lightweight Headband                | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| <br>Professional Headband               | --                                   | --                       | <input type="checkbox"/> |
| <br>Simple Metal Frame                  | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| <br>Simple Metal Frame                  | --                                   | --                       | <input type="checkbox"/> |
| <b>Accessories</b>                      |                                      |                          |                          |
| Close-up Lenses*                        | <input type="checkbox"/> (for 340mm) | --                       | --                       |
| Protective Lenses                       | <input type="checkbox"/>             | <input type="checkbox"/> | <input type="checkbox"/> |
| <b>LoupeLight 2<br/>(Pages 129/130)</b> |                                      |                          |                          |
| <br>LoupeLight 2                        | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| <b>Features</b>                         |                                      |                          |                          |
| i-View Function**                       | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| Modular                                 | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| Water-resistant                         | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| Achromatic Optics                       | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| Optional Prescription Correction        | <input type="checkbox"/>             | <input type="checkbox"/> | --                       |
| Page                                    | 122 – 123                            | 124 – 125                | 126                      |

\* To reduce the working distance to 250mm.

\*\* **i-View function:** Provides any angle of view and flips up the optics independently of the illumination beam.



## HEINE® HR 2.5x High Resolution Binocular Loupes

### With i-View loupe mount



#### HR 2.5x Optics with i-View

- ∴ **Achromatic optics** for crisp, bright images with colour-correction.
- ∴ **Lightweight** (51 g).
- ∴ **Water-resistant.**
- ∴ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ∴ **High magnification** with a large field of view and excellent depth of field.
- ∴ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LoupeLight 2.

#### HR 2.5x Specifications

| Working distance in mm | 340 | 420 | 520 |
|------------------------|-----|-----|-----|
| Field of view in mm    | 90  | 130 | 180 |
| Depth of field in mm   | 110 | 180 | 260 |

∴ Multi-coated Achromatic Optics

∴ Exceptional Focal Range

∴ Crisp, High-Resolution Image

∴ Unique i-View Loupe Mount



Optional clip-in correction frame

#### Mounting Options:

#### ∴ HEINE® S-FRAME

- ∴ **Maximum comfort** with a modern, ergonomic design.
- ∴ **Malleable temples and nose pad** can be customized to fit any face perfectly.
- ∴ **Innovative materials** – Carbon-Kynetium reduces weight (24 g).
- ∴ **Tough polycarbonate protective lenses.**
- ∴ **Optional clip-in correction frame** for prescription lenses.



Professional L Headband with S-GUARD

#### ∴ HEINE® Professional L Headband with S-GUARD

- ∴ **S-GUARD splash protection.**
- ∴ **Ergonomic nose pad** for comfort during long procedures.
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**
- ∴ **Optional clip-in correction frame** for prescription lenses.



Professional L Headband without S-GUARD

#### ∴ HEINE® Professional L Headband without S-GUARD

- ∴ **Ideal for spectacle-wearers in combination with their own spectacles.**
- ∴ **Fully-adjustable for height and width to fit any head.**
- ∴ **Hygienic and comfortable leather cushions.**

HEINE® HR 2.5x High Resolution Binocular Loupes

With i-View loupe mount



Set A



Set B  
with S-GUARD



Set C  
without  
S-GUARD

HR 2.5x Sets with i-View loupe mount

| Working distance in mm   | 340          | 420          | 520          |
|--|--------------|--------------|--------------|
| <b>Set A:</b><br>HR 2.5x optics with i-View on S-FRAME<br>Protective lenses<br>2 sterilisable swivel levers<br>Retaining cord<br>Cleaning fluid<br>Cleaning cloth<br>Carrying case           | C-000.32.355 | C-000.32.356 | C-000.32.567 |
| <b>Set B:</b><br>HR 2.5x optics with i-View on Professional L Headband<br>S-GUARD splash protection<br>Protective lenses<br>2 sterilisable swivel levers<br>Cleaning fluid<br>Cleaning cloth | C-000.32.365 | C-000.32.366 | C-000.32.367 |
| <b>Set C (without S-GUARD):</b><br>HR 2.5x optics with i-View on Professional L Headband<br>Protective lenses<br>2 sterilisable swivel levers  | C-000.32.865 | C-000.32.866 | C-000.32.867 |

For details of accessories and LoupeLight 2 see pages 128 – 130.



## HEINE® HRP High Resolution Prismatic Binocular Loupes

### With i-View loupe mount



- ⌘ Multi-coated Achromatic Optics
- ⌘ Prismatic for highest magnification
- ⌘ Crisp, High-Resolution Image
- ⌘ Unique i-View Loupe Mount

### HRP Optics with i-View

- ⌘ **Achromatic optics** for crisp, bright images from edge-to-edge.
- ⌘ **Lightweight** (85g).
- ⌘ **Water-resistant.**
- ⌘ **Independent adjustment** of left and right optics for perfect PD adjustment.
- ⌘ **Highest magnification:** Choice of 3.5x, 4x and 6x.
- ⌘ **i-View loupe mount** provides any angle of view and flips up the optics independently of the optional LoupeLight 2.

### HRP Specifications

| Working distance in mm | HRP 3.5x/420 | HRP 4x/340 | HRP 6x/340 |
|------------------------|--------------|------------|------------|
| Field of view in mm    | 65           | 50         | 40         |
| Depth of field in mm   | 60           | 40         | 30         |

### Mounting Options:



### ⌘ HEINE® S-FRAME

- ⌘ **Maximum comfort** with a modern, ergonomic design.
- ⌘ **Malleable temples and nose pad** can be customized to fit any face perfectly.
- ⌘ **Innovative materials** – Carbon-Kynetium reduces weight (24g).
- ⌘ **Tough polycarbonate protective lenses.**
- ⌘ **Optional clip-in correction frame** for prescription lenses.



### ⌘ HEINE® Professional L Headband with S-GUARD

- ⌘ **S-GUARD splash protection.**
- ⌘ **Ergonomic nose pad** for comfort during long procedures.
- ⌘ **Fully-adjustable for height and width to fit any head.**
- ⌘ **Hygienic and comfortable leather cushions.**
- ⌘ **Optional clip-in correction frame** for prescription lenses.



### HEINE® Professional L Headband without S-GUARD

- ⌘ **Ideal for spectacle-wearers in combination with their own spectacles.**
- ⌘ **Fully-adjustable for height and width to fit any head.**
- ⌘ **Hygienic and comfortable leather cushions.**

HEINE® HRP High Resolution Prismatic Binocular Loupes

With i-View loupe mount



Set A



Set B  
with S-GUARD



Set C  
without  
S-GUARD

HRP Sets with i-View loupe mount

| Working distance in mm   | HRP 3.5x/420 | HRP 4x/340   | HRP 6x/340   |
|--|--------------|--------------|--------------|
| <b>Set A:</b><br>HRP optics with i-View on S-FRAME<br>Protective lenses<br>2 sterilisable swivel levers<br>Retaining cord<br>Cleaning fluid<br>Cleaning cloth<br>Carrying case           | C-000.32.430 | C-000.32.431 | C-000.32.432 |
| <b>Set B:</b><br>HRP optics with i-View on Professional L Headband<br>S-GUARD splash protection<br>Protective lenses<br>2 sterilisable swivel levers<br>Cleaning fluid<br>Cleaning cloth | C-000.32.440 | C-000.32.441 | C-000.32.442 |
| <b>Set C (without S-GUARD):</b><br>HRP optics with i-View on Professional L Headband<br>Protective lenses<br>2 sterilisable swivel levers  | C-000.32.840 | C-000.32.841 | C-000.32.842 |

Carrying cases and storage cases may deviate in shape and colour.



## HEINE® C 2.3 Binocular Loupes

### The cost-effective all-purpose loupe

Ideal for dental laboratories and general medical examination.



C 2.3

- ∴ **Crisp, clear images.** Multi-coated, scratch-resistant silica glass lenses produce crisp, clear images.
- ∴ **Flexibility for precise adjustment.** Independently adjustable PD controls ensure precise alignment of the optics.
- ∴ **Super lightweight and comfortable – only 46g.** Flexible coil temples wrap-around to fit the user's anatomy securely and comfortably. Spring-loaded temples will adjust to the user's anatomy. Lightweight metal frame.
- ∴ **The ideal all-purpose loupe.** The feather-light weight, low-profile design and low cost of the C 2.3 loupe make it the ideal all-purpose loupe.
- ∴ **Working distance.** 340mm or 450mm (13 or 18 inches).
- ∴ Also available as C2.3K on Lightweight Headband.



C 2.3K

| Specifications     | C 2.3x/340mm | C 2.3x/450mm |
|--------------------|--------------|--------------|
| Magnification      | 2.3x         | 2.3x         |
| Working distance   | 340mm        | 450mm        |
| Field of view dia. | 110mm        | 130mm        |
| Weight             | 46g          | 46g          |
| Depth of Field     | 120mm        | 190mm        |

| User's refractive error | Effective working distance<br>C 2.3x/340mm | Effective working distance<br>C 2.3x/450mm |
|-------------------------|--|--|
| +2                      | 440mm                                      | 670mm                                      |
| +1                      | 390mm                                      | 560mm                                      |
| 0                       | 340mm                                      | 450mm                                      |
| -1                      | 300mm                                      | 420mm                                      |
| -2                      | 270mm                                      | 370mm                                      |

#### Important information for those who wear glasses:

The C 2.3K Series loupe can also be worn without the use of spectacles. Should you prefer to examine without glasses, the charts illustrate how your refractive error will affect the loupe working distance. If you are unsure of your prescription, please consult your eye care provider.

#### C 2.3/C 2.3K Binocular Loupes

|                                   |                     |
|-----------------------------------|---------------------|
| C 2.3/340 Loupe in case           | <b>C-000.32.039</b> |
| C 2.3/450 Loupe in case           | <b>C-000.32.202</b> |
| C 2.3K/340 Headband Loupe in case | <b>C-000.32.230</b> |
| C 2.3K/450 Headband Loupe in case | <b>C-000.32.231</b> |

## Accessories



| C 2.3/C 2.3K Binocular Loupe Accessories                                     |                     |
|--|---------------------|
| Protective case for the C 2.3 Loupes and accessories                         | <b>C-000.32.038</b> |
| Detachable protective lenses for C 2.3 and C 2.3K.<br>To protect the optics. | <b>C-000.32.097</b> |

HEINE Binocular Loupes

Ordering Information



| Optics with i-View loupe mount for S-FRAME in carrying case |                              |              |              |
|---|------------------------------|--------------|--------------|
| Working distance in mm                                      | 340mm                        | 420mm        | 520mm        |
| HR 2.5x   | C-000.32.595                 | C-000.32.596 | C-000.32.597 |
| HRP 3.5x<br>HRP 4x<br>HRP 6x                                | C-000.32.721<br>C-000.32.722 | C-000.32.720 |              |



| Optics with i-View and S-GUARD for Professional L Headband |                              |              |              |
|--|------------------------------|--------------|--------------|
| Working distance in mm                                     | 340mm                        | 420mm        | 520mm        |
| HR 2.5x  | C-000.32.585                 | C-000.32.586 | C-000.32.587 |
| HRP 3.5x<br>HRP 4x<br>HRP 6x                               | C-000.32.711<br>C-000.32.712 | C-000.32.710 |              |



| Optics with i-View for Professional L Headband (without S-GUARD) |                              |              |              |
|--|------------------------------|--------------|--------------|
| Working distance in mm   | 340mm                        | 420mm        | 520mm        |
| HR 2.5x  | C-000.32.733                 | C-000.32.734 | C-000.32.735 |
| HRP 3.5x<br>HRP 4x<br>HRP 6x                                     | C-000.32.737<br>C-000.32.738 | C-000.32.736 |              |



## HEINE Binocular Loupes Accessories

## Ordering Information



[01]



[02]



## Mounting options

**S-FRAME\***For **HR and HRP** Binocular Loupes incl. retaining cord and cleaning fluid

C-000.32.302

\* with protective lenses, large (lg).

**Professional L Headband**For **HR and HRP** optics

C-000.32.549

## Accessories for optics

**HR Close-up Lenses in case**

HR 2.5x/340 mm to 250 mm. The close-up lenses reduce the working distance of the binocular loupes.

Close-up Lenses for **HR 2.5x/340 mm** optics

C-000.32.523

**Protective Lenses**To protect the optics of the **HR and the HRP** loupesProtective Lenses for **HR** loupes (5 pairs) [01]

C-000.32.537

Protective Lenses for **HRP** loupes [02]

C-000.32.027

**Sterilisable Swivel Levers**For **HR and HRP** loupes with i-View

C-000.32.551

**Carrying Case**

For Binocular Loupe optics or for all sets with S-FRAME

C-000.32.552

## Accessories for S-FRAME

**S-FRAME retaining cord**

C-000.32.305

**S-FRAME replacement part set**

with side rubbers, nose pad (1 piece) and screw

C-000.32.308

**Clip-in correction frame**

for prescription lenses

C-000.32.309

**Protective lenses, large (lg), 1 pair (Standard)**

C-000.32.306

**Protective lenses, small (sm), 1 pair**

C-000.32.307

**Cleaning fluid for lenses, pack of 2**

C-000.32.542

## HEINE® LoupeLight 2

### Compact LED<sup>HQ</sup> Headlight – now even brighter

**LED<sup>HQ</sup>**  
LED NOW IN HEINE QUALITY.



**EXCLUSIVELY AT HEINE**

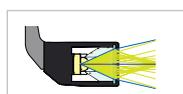
- Compact and Lightweight
- Coaxial Illumination
- Typ. 55,000 Lux

- HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.
- **That's what we call LED in HEINE Quality – or LED<sup>HQ</sup>.**
- **Compact, lightweight (50 g).** Ensures perfect comfort.
- **Aluminium Housing.** Exclusive aluminium housing protects the optics against dust and moisture to ensure an extraordinary long lifespan and optimal thermal management.
- **Coaxial Illumination:** Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- **Optional Filter.** Polarisation filter P2 improves contrast and yellow filter reduces blue light.
- **Replaceable connecting cord** with high-quality splashproof threaded connector with a length of 1.5 m. Connects the LoupeLight 2 with the mPack mini.
- **Incl. coloured attachment clips for personalisation.** To fixate the cable and to identify your LoupeLight.

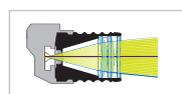
#### Technical Specification

|                      |  |
|----------------------|--|
| Illumination         | Typ. 55 000 Lux  |
| Colour Temperature   | Typ. 4 000 Kelvin  |
| LED Operating Life   | Typ. 50 000 hours  |
| Spot Size            | The illuminated field is designed to complement the HR/HRP loupes. 81 mm dia. at 420mm, 95 mm dia. at 520mm working distance |
| Angle of Declination | Stepless and individually adjustable for every examination   |
| Operating Time       | Typ. 9h with mPack mini (in continuous operation at full power typ. 4 hours)   |

- **Precision multiple lens optical system** consisting of four high-quality lenses. Completely homogeneous illumination of the whole field of view and a clearly defined light spot.



Conventional System [02]



HEINE Precision 4-Lens System [03]



Comparison of homogeneity

## HEINE® mPack mini

### Compact and lightweight power source for LoupeLight 2 / MicroLight 2



- **Operating time typ. 9 hours.** In continuous operation at full power typ. 4 hours.
- **Charging time typ. 4 hours.**
- **Compact and lightweight.** With a weight of just 95 g and dimensions of 44 x 23 x 101 mm the power source can be easily stowed.
-



HEINE® LoupeLight 2 and Accessories

Ordering Information



| LoupeLight 2   |              |
|--|--------------|
| LoupeLight 2 for HR/HRP Loupes with i-View loupe mount [01]          | C-008.32.226 |
| Detachable Yellow Filter [02]  | C-000.32.241 |
| Polarisation filter P2 for LoupeLight 2 and HR Loupes [03] + [04]    | C-000.32.535 |
| Spare polarisation filter P2 for HR Loupes (2 pairs) [04]            | C-000.32.536 |
| Connecting cord SC1 (1,5m/Ø 2,4 mm) for LoupeLight 2/mPack mini [05] | C-000.32.240 |
| Connecting cord SC2 (1,5m/Ø 3,2mm) for LoupeLight 2/mPack mini [06]  | C-000.32.243 |

| LoupeLight 2 with Power Source for i-View loupe mount (HR / HRP) |              |
|--|--------------|
| LoupeLight 2 with mPack mini and E4-USB plug-in transformer [07] | C-008.32.265 |
| mPack mini Belt Clip [08]  | X-000.99.006 |

HEINE® LoupeLight 2 Sets

With mPack mini and E4-USB plug-in transformer



| LoupeLight 2 Sets with HR Binocular Loupes             |              |              |              |
|--|--------------|--------------|--------------|
| Magnification and working distance in mm               | HR 2.5x/340  | HR 2.5x/420  | HR 2.5x/520  |
| HR 2.5x optics with i-View on S-FRAME and LoupeLight 2 | C-008.32.450 | C-008.32.451 | C-008.32.452 |
| Detachable Yellow Filter                               |              |              |              |
| mPack mini   |              |              |              |
| mPack mini Belt Clip                                   |              |              |              |
| E4-USB plug-in transformer                             |              |              |              |
| Connecting cord  |              |              |              |
| Protective lenses                                      |              |              |              |
| 2 sterilisable levers                                  |              |              |              |
| Retaining cord, cleaning fluid                         |              |              |              |
| Cleaning cloth, carrying case                          |              |              |              |

| LoupeLight 2 Sets with HRP Binocular Loupes            |              |              |              |
|--|--------------|--------------|--------------|
| Magnification and working distance in mm               | HRP 3.5x/420 | HRP 4x/340   | HRP 6x/340   |
| HR 2.5x optics with i-View on S-FRAME and LoupeLight 2 | C-008.32.453 | C-008.32.454 | C-008.32.455 |
| Detachable Yellow Filter                               |              |              |              |
| mPack mini   |              |              |              |
| mPack mini Belt Clip                                   |              |              |              |
| E4-USB plug-in transformer                             |              |              |              |
| Connecting cord  |              |              |              |
| Protective lenses                                      |              |              |              |
| 2 sterilisable levers                                  |              |              |              |
| Retaining cord, cleaning fluid                         |              |              |              |
| Cleaning cloth, carrying case                          |              |              |              |

Carrying cases and storage cases may deviate in shape and colour.

