

Headlights and Loupes

Product range for Headlights and Loupes includes:

- Binocular Loupes: C2.3, HR and HRP for magnification from 2.3x to 6x.
- Combined sets of: LoupeLight, HR / HRP Loupes, ML4 LED, HR / HRP Loupes.
- High Quality Headlight with portable power packs - MicroLight2 and ML4 LED



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Heine C 2.3 Binocular Loupes

- 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 general medical examination.
- Crisp, clear images with multi-coated, scratch-resistant silica glass lenses.
- Flexibility for precise adjustment.
- Available with Lightweight Headband or flexible glasses frames.
- Working distance. 340 mm or 450 mm.

Important information for those who wear glasses:

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

User's Reflective Error	Effective distance working with C2.3x /340mm	Effective distance working with C2.3x /450mm
+2	440mm	670mm
+1	390mm	560mm
0	340mm	450mm
-1	300mm	420mm
-2	270mm	370mm

Specifications	C 2.3 x / 340mm	C 2.3 x / 450mm
Magnification	2.3x	2.3x
Working Distance	340mm	450mm
Field of View Dia.	110mm	130mm
Weight	46grams	46 grams
Depth of Field	120mm	190mm



Description	Product Code
BINOCULAR LOUPE - HEINE C 2.3 / 340MM #GLASSES (SET)	HC0032039
BINOCULAR LOUPE - HEINE C 2.3 / 450MM #GLASSES (SET)	HC0032202
BINOCULAR LOUPE - HEINE C 2.3 / 340MM #LW HEADBAND (SET)	HC0032230
BINOCULAR LOUPE - HEINE C 2.3 / 450MM #LW HEADBAND (SET)	HC0032231



Heine HR 2.5x High Resolution Binocular Loupes

Heine HR binocular Loupes with 2.5x magnification are a high resolution achromatic optics providing exceptional focal range and a high resolution image.

- Achromatic optics for crisp bright images with colour correction
- Light weight 51grams and Water resistant
- Independent adjustment of left or right optics for perfect PD adjustment
- High magnification with large field of view and depth of field
- I-view loupe mount provides any angle of view also enables use with Heine Headlights.
- Mounting Options—S-Frame and Professional L Headband with S-Guard Splash Protection. Both available with option clip in correction frame.

Heine S-Frame

- Maximum comfort with a modern, ergonomic design
- Malleable temples and nose pad can be customised to fit any face perfectly
- Innovative materials - Carbon-Kynetium reduces weight (24 grams)
- Tough polycarbonate protective lenses

Heine Professional L Headband with S-Guard

- Ergonomic nose pad for comfort during long procedures
- Fully adjustable for height and width to fit any head
- Hygienic and comfortable leather cushions



Heine HR 2.5x High Resolution Binocular Loupes

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

All sets below include the following:

- HR2.5x Optics with i-View on either S-Frame or Professional L Headband
- 2 sterilisable swivel levers
- Cleaning Fluid and Cloth

Description	Product Code
BINOCULAR LOUPE - HEINE HR 2.5X—340MM OPTICS / IVIEW / S-FRAME & CASE (SET)	HC0032355
BINOCULAR LOUPE - HEINE HR 2.5X—420MM OPTICS / IVIEW / S-FRAME & CASE (SET)	HC0032356
BINOCULAR LOUPE - HEINE HR 2.5X—520MM OPTICS / IVIEW / S-FRAME & CASE (SET)	HC0032567
BINOCULAR LOUPE - HEINE HR 2.5X—340MM OPTICS / IVIEW / PRO L HEADBAND & SPLASH GUARD (SET)	HC0032365
BINOCULAR LOUPE - HEINE HR 2.5X—420MM OPTICS / IVIEW / PRO L HEADBAND & SPLASH GUARD (SET)	HC0032366
BINOCULAR LOUPE - HEINE HR 2.5X—520MM OPTICS / IVIEW / PRO L HEADBAND & SPLASH GUARD (SET)	HC0032367



Heine HRP High Resolution Binocular Loupes

Heine HRP binocular Loupes with 3.5x, 4x and 6x magnification are a high resolution achromatic optics providing high resolution image at the highest magnification.

- Achromatic optics for crisp bright images from edge to edge.
- Light weight 85grams and Water resistant
- Independent adjustment of left or right optics for perfect PD adjustment
- I-view loupe mount provides any angle of view also enables use with Heine Headlights.
- Mounting Options—S-Frame and Professional L Headband with S-Guard Splash Protection. Both are available with option clip in correction frame.

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

All sets below include the following:

- HRP Optics with i-View on Professional L Headband
- 2 sterilisable swivel levers
- Cleaning Fluid and Cloth

S-Frame version are available—contact Customer Service or Sales Representative for product details.

Description	Product Code
BINOCULAR LOUPE - HEINE HRP 3.5X—420MM OPTICS / IVIEW / PRO L HEADBAND & SPLASH GUARD (SET)	HC0032440
BINOCULAR LOUPE - HEINE HRP 4.0X—340MM OPTICS / IVIEW / PRO L HEADBAND & SPLASH GUARD (SET)	HC0032441
BINOCULAR LOUPE - HEINE HRP 6.0X—340MM OPTICS / IVIEW / PRO L HEADBAND & SPLASH GUARD (SET)	HC0032442



Heine MicroLight 2 Headlight

Compact LEDHQ Headlight with precise multiple lens optical system to provide a homogeneous illumination of the whole field of view and a defined light spot.

- Compact and lightweight. Ensures perfect comfort.
- Aluminium Housing protects the optics against dust and moisture to ensure an extraordinary long lifespan
- Coaxial illumination: Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- Homogeneity: An absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.
- Connecting cord SC 1. Replaceable connecting cord with high-quality splash proof threaded connector with a length of 1.5 m. Connects the MicroLight 2 with the mPack mini.
- Colour attachment clips for personalisation. To fixate the cable on the S-FRAME and to identify your headlight.

Heine S-Frame

- Maximum comfort with a modern, ergonomic design
- Malleable temples and nose pad can be customised to fit any face perfectly
- Innovative materials - Carbon-Kynetium reduces weight (24 grams)
- Tough polycarbonate protective lenses



Heine Lightweight Headband

- Ergonomic and Light weight—ideal for spectacle wearers.
- Fully adjustable for width to fit any head
- Hygienic and comfortable leather cushions

Technical Specification	
Illumination	Typ. 55.000 Lux
Colour Temperature	Typ. 4000 Kelvin
LED Operating Life	Typ. 50000 hours
Weight	80grams with S-FRAME, 190g together with Lightweight Headband
Angle of Declination	Stepless and individually adjustable to every examination
Operating Time	Typ. 9hours with mPack Mini (in continuous operation at full power typ. 4 hours)

Description	Product Code
HEADLIGHT - HEINE LED MICROLIGHT 2, S-FRAME W/ MPACK MINI, TRANSFORMER & BELT CLIP (EACH)	HJ0831276
HEADLIGHT - HEINE LED MICROLIGHT 2, LWT HBAND W/ MPACK MINI, TRANSFORMER & BELT CLIP (EACH)	HJ0831277
ACCESSORY - HEINE DETACHABLE YELLOW FILTER #LED LOUPELIGHT (EACH)	HC0032241



Heine mPack Mini Portable Power Pack

High performance power source HEINE mPack mini for MicroLight 2 offers freedom from cables that tie the users to desk, wall or static power sources.

- Operating Time—4 hours at full power with continuous use and Charging Time 4 hours.
- Charge Status Indicator, Stepless light intensity control (3% - 100%), USB Cord with E4-USB medical approved plug-in power supply.
- Integrated galvanic separation protection, simple to clean, compact and light weight, mini belt clip and Li-ion integrated battery.

Description	Product Code
BATTERY—MPACK MINI W/ LI-ION BATTERY (EACH)	HX0799649
ACCESSORY—BELT CLIP FOR MPACK MINI (EACH)	HX0099006
ACCESSORY—USB CORD W/ E4-USB PLUG-IN TRANSFORMER (EACH)	HX0099303



ML4 LED Headlight

Ultra bright Heine Quality Coaxial LED Illumination Headlight

- Adjustable illumination spot size: 30 mm to 80 mm spot size range (at 420 mm working distance) to fit any examination situation.
- Bright and homogenous illumination. Absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.
- Stepless light intensity control. Optimal brightness setting prevents reflexes.
- Flexible Power Source Options: Total mobility with a choice of cable-free mPack UNPLUGGED head-worn battery or mPack belt-worn battery pack.
- Coaxial illumination ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas.
- Professional L Headband has multiple adjustment points and soft padding for comfort and stability – even for extended use,
- Options—Detachable Yellow Filter for use on ML4 Headlight (reduces blue light) and Polarisation Filter P2 for use on both HR Loupes and ML4 LED to improve contrast.

Technical Specification	
Illumination	50,000 Lux at a working distance of 250 mm
Colour Temperature	Typ. 4500 Kelvin
LED Operating Life	Typ. 50000 hours
Spot Adjustment	30mm to 80mm at 420mm working distance
Angle of Declination	Stepless and individually adjustable to every examination
Rheostat	Headband-mounted
Operating Time	Typ. 8.5 hours with mPack and typ. 3.5 hours with mPack UNPLUGGED of continuous ON time at full power



Power Options

HEINE® mPack

- Portable power pack.
- Li-ion technology. Approximately 8.5 hours of continuous ON time at full power.
- Fast charge—approximately 2 hours.
- Charge status indicator.
- Stepless light intensity control.
- Flexible charging—EN50 charger, or plug-in transformer.
- Intelligent. Can be used as mains power supply even while in “charge” mode.

HEINE® mPack UNPLUGGED.

- Headband-mounted rechargeable battery—integrated for ease of use.
- Wireless
- Lightweight with balanced weight distribution.
- Charge status indicator
- Intelligent. Can be used as mains power supply even in “charge” mode.
- Fast charge—Approximately 2 hours. Operating time approximately 3.5 hours of continuous ON time at full power.
- Integrated charge and performance checks during operation.

Description	Product Code
HEADLIGHT - HEINE ML4 LED W/ HEADBAND PROF. L, MPACK & TRANS (EACH)	HJ0831413
HEADLIGHT - HEINE ML4 LED W/ HEADBAND PROF. L, MPACK UNPLUGGED & TRANS (EACH)	HJ0831415
HEADLIGHT - HEINE ML4 LED W/ HEADBAND PROF. L, MPACK UNPLUGGED X 2 & EN50 CHARGER (EACH)	HJ0831416
ACCESSORY—DETACHABLE YELLOW FILTER #ML4 (EACH)	HJ0031321
ACCESSORY—POLARISATION FILTER P 2 #ML4 & HR LOUPES (EACH)	HJ0031326
ACCESSORY—EXTENSION CORD 2M FOR MPACK UNPLUGGED (EACH)	HX0099668

Heine mPack Portable Power Pack

- Stepless light intensity control
- Freedom from cables that tie the user to desk, wall or static power supplies.
- Triple the Capacity with Li-ion Technology. Compared with current NiCd systems. When fully charged at least 3 x the capacity of conventional NiCd systems. More than double of other Li-ion systems. No memory effect.
- Fast Charge. Charges to full capacity in approximately 2 hours.
- Charge status indicator. Always lets you know how much operating charge you have left.
- Flexible Charging Options. Charge in the EN50-m Charger base station, or with mobile plug-in transformer.
- Intelligent. Automatically switches to “charge” mode when inserted in EN50-m. Can also be used as mains power supply even while in “charge” mode.
- Automatic remote power adjustment for compatibility with all HEINE 6V and selected LED instruments.

mPack Battery



Description	Product Code
BATTERY PACK - HEINE MPACK W/ LI-ION RECHARGEABLE BATTERY (EACH)	HX0799671
BATTERY FOR MPACK - HEINE LI-ION RECHARGEABLE (EACH)	HX0799676
CHARGER— EN50-M FOR MPACK W/ MPACK BATTERY PACK, ANGLED ADAPTOR & INST SUPPORT FOR HEAD-BAND (EACH)	HX9517301
TRANSFORMER - HEINE PLUG IN FOR MPACK (EACH)	HX9516315

Heine mPack UNPLUGGED Portable Power Pack

- Headband-mounted rechargeable battery—integrated for ease of use.
- Wireless
- Lightweight with balanced weight distribution.
- Charge status indicator
- Can be charged by wall or plug-in transformer.
- Intelligent. Automatic changeover from operating to charging mode (wall charger). Direct operation possible while charging through the use of mobile plug-in transformer.
- Fast charge—Approximately 2 hours. Operating time approximately 3.5 hours of continuous ON time at full power (ML4 Headlight)
- Integrated charge and performance checks during operation.

mPack Unplugged Battery



Description	Product Code
BATTERY PACK - MPACK UNPLUGGED 6V #HEADBAND MOUNTED (EACH)	HX0799665
TRANSFORMER - HEINE PLUG IN FOR MPACK UNPLUGGED (EACH)	HX9516316
CHARGER— EN50 FOR MPACK UNPLUGGED (EACH)	HX9517310
BATTERY- HEINE FOR MPACK UNPLUGGED #LITHIUM POLYMER (EACH)	HX0799680
EXTENSION CORD—MPACK UNPLUGGED TO TRANSFORMER (EACH)	HX0099668



Headlights with HR/HRP Optics

Headlights with HR/HRP Optics are available in the following configurations:

Loupe Light 2 with HR/HRP Binocular Loupes, i-View Loupe Mount on S-Frame with Detachable Yellow Filter, mPack mini, belt clip, E4-USB Transformer, Connecting Cord, Protective Lenses, 2 sterilisable levers, retaining cords, cleaning fluid, cleaning cloth and carrying case.

Description	Product Code
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/340MM W/ LED LOUPELIGHT2 & MPACK MINI SFRAME (SET)	HC0832450
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/420MM W/ LED LOUPELIGHT2 & MPACK MINI SFRAME (SET)	HC0832451
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/520MM W/ LED LOUPELIGHT2 & MPACK MINI SFRAME (SET)	HC0832452
LOUPES & HEADLIGHT SET - HEINE HRP 3.5X/420MM W/ LED LOUPELIGHT2 & MPACK MINI SFRAME (SET)	HC0832453
LOUPES & HEADLIGHT SET - HEINE HRP 4X/340MM W/ LED LOUPELIGHT2 & MPACK MINI SFRAME (SET)	HC0832454
LOUPES & HEADLIGHT SET - HEINE HRP 6X/340MM W/ LED LOUPELIGHT2 & MPACK MINI SFRAME (SET)	HC0832455



ML4 LED Headlight with HR/HRP Binocular Loupes, i-View Loupe Mount, S-Guard on Professional L Headband with mPack and plug-in transformer, cleaning fluid

Description	Product Code
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/340MM W/ ML4 LED & MPACK, TRANS PRO L H/BAND (SET)	HC0832440
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/420MM W/ ML4 LED & MPACK, TRANS PRO L H/BAND (SET)	HC0832441
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/520MM W/ ML4 LED & MPACK, TRANS PRO L H/BAND (SET)	HC0832450
LOUPES & HEADLIGHT SET - HEINE HRP 3.5X/420MM W/ ML4 LED & MPACK, TRANS PRO L H/BAND (SET)	HC0832442
LOUPES & HEADLIGHT SET - HEINE HRP 4X/340MM W/ ML4 LED & MPACK, TRANS PRO L H/BAND (SET)	HC0832443
LOUPES & HEADLIGHT SET - HEINE HRP 6X/340MM W/ ML4 LED & MPACK, TRANS PRO L H/BAND (SET)	HC0832444

Heine ML 4 LED headlight w/S-GUARD and mPack w/Plug-in Transformer



Headlights with HR/HRP Optics

ML4 LED Headlight with HR/HRP Binocular Loupes, i-View Loupe Mount, S-Guard on Professional L Headband with mPack UNPLUGGED and Transformer UNPLUGGED, cleaning fluid

Description	Product Code
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/340MM W/ ML4 LED & MPACK U/P, TRANS U/P PRO L H/BAND (SET)	HC0832530AU
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/420MM W/ ML4 LED & MPACK U/P, TRANS U/P PRO L H/BAND (SET)	HC0832531AU
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/520MM W/ ML4 LED & MPACK U/P, TRANS U/P PRO L H/BAND (SET)	HC0832532AU
LOUPES & HEADLIGHT SET - HEINE HRP 3.5X/420MM W/ ML4 LED & MPACK U/P, TRANS U/P PRO L H/BAND (SET)	HC0832533AU
LOUPES & HEADLIGHT SET - HEINE HRP 4X/340MM W/ ML4 LED MPACK U/P, TRANS U/P PRO L H/BAND (SET)	HC0832534AU
LOUPES & HEADLIGHT SET - HEINE HRP 6X/340MM W/ ML4 LED & MPACK U/P, TRANS U/P PRO L H/BAND (SET)	HC0832535AU

Heine ML 4 headlight kit with mPack Unplugged plus Plug-in Transformer



ML4 LED Headlight with HR/HRP Binocular Loupes, i-View Loupe Mount, S-Guard on Professional L Headband with mPack UNPLUGGED x 2 and EN50 UNPLUGGED, cleaning fluid

Description	Product Code
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/340MM W/ ML4 LED & MPACK U/P X 2, EN50 U/P PRO L H/BAND (SET)	HC0832458
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/420MM W/ ML4 LED & MPACK U/P X 2, EN50 U/P PRO L H/BAND (SET)	HC0832459
LOUPES & HEADLIGHT SET - HEINE HR 2.5X/520MM W/ ML4 LED & MPACK U/P X 2, EN50 U/P PRO L H/BAND (SET)	HC0832464
LOUPES & HEADLIGHT SET - HEINE HRP 3.5X/420MM W/ ML4 LED & MPACK U/P X 2, EN50 U/P PRO L H/BAND (SET)	HC0832460
LOUPES & HEADLIGHT SET - HEINE HRP 4X/340MM W/ ML4 LED & MPACK U/P X 2, EN50 U/P PRO L H/BAND SET)	HC0832461
LOUPES & HEADLIGHT SET - HEINE HRP 6X/340MM W/ ML4 LED & MPACK U/P X 2, EN50 U/P PRO L H/BAND (SET)	HC0832462



Heine ML 4 headlight set and HR 2.5 Binocular Loupes w/S-GUARD and EN50 UNPLUGGED Wall Transformer and 2 x mPack Unplugged

Carry Cases

Description	Product Code
CARRY CASE—HARD OPTH/HEADLIGHT HEADBAND SETS (EACH)	HC7900000
CARRY CASE—COMBI-CASE OPTH/HEADLIGHT HEADBAND SETS (EACH)	HC7903000



Please note carry cases do not include Headlights or Loupes.
Carry cases has to be ordered in addition for your Headlights or Loupes