



# BINOCULARS 2022

Ultrabright  
Optical System

Indestructible design &  
thought-out ergonomics

For the love of nature





*At DDOptics we believe in  
the power of vision.*

*The eyes are the key to the  
beauty of the world.*



# DDOptics

A family business since 2004

## Not all eyes are the same!

Our first issue is dedicated to our most important sense - vision. The human eye provides over 80 percent of the information we use to process our surroundings. All other senses are inferior. Our visual impression determines how we feel, what we know or believe we know.

Eagles need an excellent vision, moles does not. The visual organ must always be adapted to the respective habitat. Over the millennia humans have taken over practically every habitat in the world. But this could only be achieved by learning to improve our relatively limited eyesight with technical tools. The quality of binoculars from DDOptics can be critical for your visual perception and actually seeing.

## Made by DDOptics

Our binoculars are primarily developed in Germany, primarily produced in Japan or worldwide.

The extensive experience and technical interest in innovation of our international partners have always proven to be a great advantage.

For DDOptics not only is the origin key, but the highly innovative abilities of the partner.

**Made by DDOptics** combines the most capable and experienced partners in one product.



Scan me



Premium

S.6



SHG | Page 8  
HDS | Page 14  
EDX | Page 20

Night hunt

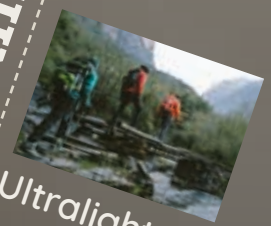
S.28



Pirschler | Page 30  
Pirschler Range | Page 40  
Nigteagle Ergo | Page 46

Hiking

S.74



Ultralight | Page 76

Travel, Outdoor & Bird Watching

S.54



Kolibri | Page 56  
LUX-HR | Page 66

Marine

S.86



Kaleu | Page 88

# DDOptics

BINOCULÄRS

DDOptics | Page 2  
Recommended use | Page 94  
Technical Data | Page 100  
Accessories | Page 122  
Imprint | Page 123



” *Photography captures the moment you’ve never seen. Binoculars give us the power to experience what we wouldn’t even notice without.*

Axel Drescher, CEO & Founder DDoptics

# Premium

03  
Tage KOSTENLOS  
TESTEN

30  
Jahre HERSTELLER  
GARANTIE

100  
PROZENT PREMIUM  
QUALITÄT



SHG

Page 8



HDS

Page 14



EDH

Page 20



SHG  
SUPER  
HIGH GRADE



Small, lightweight and compact

Extremely high picture resolution with sharp details to the outermost edge

Lotus effect thanks to nano coating

”

*The performance of SHG binoculars sets new benchmarks at DDoptics. A look through SHG binoculars clearly shows it. SHG binoculars perfect several years of development.*





# SHG – SUPER HIGH GRADE

Every moment counts.

The SHG line by DDoptics combines extremely high picture resolution with sharp details to the outermost edge of the field of view unlike any other binoculars. Veiling glare and chromatic aberrations are almost completely suppressed through the use of complex processes and the highest grade materials.

SHG binoculars offer the best possible light transmission of up to 93 % and an entirely new visual experience of colour brilliance, contrast and brightness. This is made possible by an innovative FLK glass material from Japan, mirror coating the prisms with a dielectric material, and an also newly developed coating.

Field flattener oculars reduce the distortion of SHG binoculars exactly so any visible distortion can hardly be provoked, even at the edge, without triggering the notorious globe effect. Field flattener oculars shift the focuses of the Petzval field curvature so they are on the same plane.

## SHG 8x42 | 10x42 | Page 12

good price-performance ratio  
small, lightweight and compact  
Lotus effect thanks to nano coating  
dioptre adjustment  
non-slip focus wheel and eyecup  
made from metal

### Housing

the "SHG" line is made from magnesium, so these binoculars will survive a drop from up high undamaged. The newly developed coating makes the SHG line binoculars almost "stick" to the hands so the binoculars slipping from the hand is virtually impossible, even in rain.

### The easy to change eyecups

made from metal have four clearly defined levels. The eyecups can be unscrewed anti-clockwise and removed for cleaning.

### Newly developed coating & nano coating

Multiple coatings of all glass ensures light enters optimally without loss. The nano coating ensures water roll off – "lotus effect".



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP



# SHG 8x42 | 10x42

Your next television... isn't even a television!

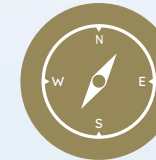


HIKING & OUTDOORS



ARCHERY

BIRD WATCHING



MARINE & YACHT

ASTRONOMY



HUNTING

## 8x42 | 10x42

### Waterproof binoculars, fog-free and focusing from 2 m

The focus of the SHG is adjusted through a true internal focus. Starting at only 2 m, an object can be seen sharp. This also works in heavy rain, which does not harm the binoculars. A nitrogen fill ensures the SHG is completely waterproof and fog-free.

### Non-slip focus wheel

The focus point is not too easy and not too hard to adjust. The adjustment track is purposely slightly wider to ensure the absolute visual acuity is always achieved.

### Large field of view

The fields of view of SHG binoculars are also premium. 141.75 m on the SHG 8x42 and 115.5 m on the SHG 10x42 will especially thrill with sharpness of detail to the outermost edge.



Scan me



# HDS

HIGH DEFINITION SMALL

*The little brother of S/H/G binoculars.  
A brilliant visual experience with  
DDoptics. HDS binoculars offer  
excellent quality.*

Small, lightweight  
and compact

Extremely high picture  
resolution and sharpness  
of detail to the edge

Lotus effect  
thanks to nano coating





# HDS – HIGH DEFINITION SMALL

Almost too sharp to be true...

Even the smaller HDs binoculars (s meaning small) by DDoptics combine an extremely high picture resolution sharpness in detail to the edge of the field of view. Chromatic aberrations are almost completely suppressed through the use of sophisticated processes and the highest quality materials.

HDs binoculars offer excellent light transmission of up to 90 % and a visual experience with brilliant colours, contrast and brightness typically not seen in this price range. These binoculars also feature the newly developed FLK glass from Japan. The mirroring of prisms with a dielectric material along with an also newly developed coating ensure bright colours and little loss.

## HDS 8x42 | 10x42 | Page 18

good price-performance ratio  
small, lightweight and compact  
Lotus effect thanks to nano coating  
Dioptre adjustment  
Non-slip focus wheel

### The newly developed coating

make HDs series binoculars almost "stick" to the hands so they binoculars slipping out of the hand is virtually impossible, even in rain.

### Newly developed coating and nano coating

Multiple coatings on all glass ensures light enters optimally without loss. The nano coating allows water to simply roll off – "lotus effect".



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP





# HDS 8x42 | 10x42

Almost to sharp to be true...

High Point oculars  
generous visual fields,  
pin sharp to the edge  
with hardly any distortion,  
suitable for glasses wearers

Easy to change  
eyecups made  
from metal, 4 clearly  
defined levels

Central dioptre  
made from metal, true internal focus,  
1. Pull out to release, 2. Adjust,  
3. Push in to lock in place

Non-slip  
focus wheel  
made from  
metal

Aluminium housing  
Best Grip coating prevents  
slipping and ensures a good  
grip if the body is wet

Full groove  
prevents losing  
the lens caps

Schmidt-Pechan prism systems  
for small, lightweight and compact optics  
A dielectric mirror and phase coating ensure an  
incredibly brilliant and bright visual experience

Newly developed coating  
Multiple coatings on all  
glass for optimal entry  
of light without loss.  
Nano coating lets water  
simply roll off: "Lotus effect"

ED lens  
As important as brightness is for bright colours, the rendition  
of dark picture areas is just as important for good contrast.  
Focuses different wavelengths of light or colours to the same  
level, corrects the longitudinal chromatic aberration almost  
perfectly, in addition to the chromatic aberration also correcting  
the spherical aberration

## 8x42 | 10x42

**Waterproof binoculars, fog-free  
and focusing from 2.5 m**

The focus of the HDS is adjusted through a true  
internal focus Starting at only 2.5 m, an object  
can be seen sharp. This also works in heavy rain,  
which does not harm the binoculars. Nitrogen  
filled to ensure the HDS is completely waterproof  
and fog-free.

**Non-slip focus wheel**

The focus point is not too easy and not too hard  
to adjust. The adjustment track is purposely  
slightly wider to ensure the absolute visual acuity  
is always achieved.

**Large field of view**

The fields of view of HDs binoculars is also  
comfortable. 122.5 m for the HDs 8x42 and 105  
m for the HDs 10x42 will especially thrill with  
sharpness of detail to the outermost edge.



HIKING & OUTDOORS



BIRD WATCHING



ASTRONOMY



ARCHERY



MARINE & YACHT



HUNTING



Scan me



# EDX II ELEROSTAR

”

*Universal top binoculars suitable for any outdoor use*

Compact, lightweight and handy

True to nature, high-contrast  
colour rendering

ED glass with DDLucid coating





# EDX

Brilliant and lightweight

The performance of the EDX binoculars series is reflected in the look. Select décors and materials are put together for a harmonious combination, giving this series of binoculars a unique, stylish touch.

You will know whether your EDX feels good or you're immediately thrilled with the look and mechanics after just a few seconds of use.

While the EDX is based on the tried and trusted roof prism system (Schmidt-Pechan), the glass used in these binoculars are a completely new development. This innovative ED glass (Extra Low Dispersion) reduces colour fringes even further than most ED glass used to date. Users benefit with perfectly matched and brilliant colours. The phase correction coating PHC 140 used in the EDX suppresses 99 % of all undesirable wave-optical effects, thus also prevents minute blur.

## EDX Fieldstar 8x30 | 10x30 |

Page 24

Field of view of 150.5 m for perfect overview when glassing  
DDLucid coating for consistently high transmission  
dielectric mirror prevents 99 % of all prism loss  
ED apochromatic lens corrects colour fringes  
Weighs only 460 g, perfect "take-along binoculars"  
sharp from 1.3 m, suitable for watching insects and birds

## EDX 8.5x50 | 10x50 | 12x50 |

Page 26

DDLucid coating for consistently high transmission  
dielectric mirror prevents 99 % of all prism loss  
ED apochromatic lens corrects colour fringes  
sharp from 2.4 m  
interchangeable metal eyecups

### Innovative coating guarantees razor-sharp contours

With EDX binoculars, the optical image is rendered at maximum resolution details according to the current state of technology and without blurred edges. This is guaranteed by the special coating DDLucid which the two roofs of the Schmidt-Pechan roof prism are additionally coated with. This coating originating from the Japanese photo industry is an advancement of the known and trusted ELR coating.



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP





# EDX Fieldstar 8x30 | 10x30

A special encounter

**Dioptres compensation**  
+3.5 to -3.5  
fixable

**Focus**  
from close to far by  
turning clockwise

**Ocular**  
allows a field of view  
of 151 | 120 m

**Non-slip coating**  
Natural rubber guarantees  
durability and considerably  
better grip

**Twist  
eyecups**  
Alloy

**Slim housing**  
Light weight 460 g  
made from polycarbonate  
ensures indestructibility,  
waterproof up to 3 m

**DDLucid coating**  
Schmidt-Pechan  
roof prism

**ED glass (Extra Low Dispersion)**  
considerably less colour fringes and brilliant colours,  
PHC 140 phase correction coating suppresses 99 %  
of all undesirable wave-optical effects, thus also  
prevents minute blur

## 8x30 | 10x30

### Universal top class binoculars

With the EDX Fieldstar we introduced stylish classic binoculars with never before seen attributes to the market. The EDX meets the needs of any outdoor use and fits in virtually any pocket, no matter how small. At a weight of 460 g it is one of the lightest binoculars in their class.

### Universal use for hunting and outdoors

Nature lovers and bird-watchers appreciate the true to nature, high contrast colour rendering. Add to this the low close focus range of 1.3 m. This means in addition to targets far away you can also observe details of birds and insects from up close. The universal hunting use is uncontested. The EDX Fieldstar serves well both on long deerstalking walks through the woods and meadows, in the mountains, at long distances, and the morning or evening sitting game.



MOUNTAIN/ HIKING



BIRD WATCHING



HUNTING



ARCHERY



Scan me



# EDX 8.5x50 | 10x50 | 12x50

Top optics



8.5x50  
10x50  
12x50

## Compact, lightweight and handy

Using the open bridge, users can hold the EDX comfortably and control it safely, even with gloves in winter. Materials such as magnesium, aluminium and polycarbonate not only ensure the best possible durability on rough terrain, but also a very light weight. This compact design and shape make these binoculars a nice and comfortable tool. The slim housing has a non-slip rubber coating. The coating is made from natural rubber, thus not only guarantees durability but also a considerably better grip. The indestructible alloy eyecups protect the oculars optimally, plus it's waterproof and fog-free. It only takes 1.5 turns to precisely adjust the entire sharpness and even minute details can quickly be captured. The dioptrre compensation for spectacle wearers is located on the right ocular and can be fixed once adjusted.



HIKING & OUTDOORS



BIRD WATCHING



HUNTING



MARINE & YACHT



ASTRONOMY



”*That special moment when you look into the light and as you put the binoculars down notice it's long past dusk...*

Axel Drescher, CEO DDoptics

# NIGHT HUNT



PIRSCHLER  
Page 30



PIRSCHLER  
RANGE  
Page 40



NIGHTEAGLE  
ERGO  
Page 46

03  
Tage KOSTENLOS  
TESTEN

30  
Jahre HERSTELLER  
GARANTIE

100  
PROZENT PREMIUM  
QUALITÄT



PIRSCHLER



Abbe-Koenig prisms

CT glass with DDLucid coating

focus wheel and separate metal dioptre

”

*Specialist in the night*

*Even if the optics are already impressive during the day, the Pirschler is after all made for night hunting. As it becomes darker, Pirschler starts to show its strengths. It almost seems the resolution and contrast become even better as it gets darker.*





# PIRSCHLER

See things no matter what the light!

Superior at night, a mix of optical performance and ergonomics. Pirschler binoculars were designed to outperform regular night vision binoculars yet offer maximum comfort thanks to the open bridge. The pure size of the Abbe-Koenig prisms ensures these binoculars score with an above average bright image, plus the binoculars are waterproof and nitrogen filled. With the Smart Focus function, once focused on an object about 100 m away the eye automatically adjusts to various distances without constantly refocussing.

## Pirschler 8x45 | 10x45 | Page 34

For all those who prefer light weight and a smaller size, the Pirschler 8/10x45 is the ideal binoculars for at night.

## Pirschler 8x56 | 10x56 | Page 36

The Pirschler 8x56 night vision hunting binoculars won't leave you in the dark, even to the last shooting light. The 10x56 binoculars from the Pirschler series is the optimal choice for hunting at night.

## Pirschler 12x56 | 15x56 | Page 38

The Pirschler 12x56 binoculars will let you react to game until late dusk. You need the 15x56 binoculars if you need accuracy and want to respond with certainty at great distances.

### Brilliant binoculars optics

Even if the optics are already impressive during the day, the Pirschler is after all made for night hunting. As it becomes darker, when other products already fail in brightness and brilliance, the Pirschler starts to show its strengths. It almost seems the resolution and contrast become even better as it gets darker. These binoculars won't let you down, even to the last shooting light.

### Technical highlights of the Pirschler series

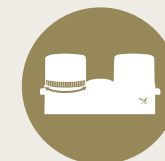
Focus wheel and separate metal dioptre, eyecups with clear catch positions, noticeably improved resolution and bright, Best Grip design concept for a good grip, comes with binoculars bag, Niggeloh strap and covers for the lens and ocular



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP





# Pirschler 8x45 | 10x45

Tough and sturdy

## Body and bridge

Made from ultra-hard yet extremely light magnesium alloy. The magnesium reduces the overall weight.

## Ocular

made from duralumin  
no plastic  
allows a field of view of 135 | 110 m

## Dioptre

made from duralumin  
extra large adjustment range +/- 4

Full groove  
prevents  
losing the  
lens caps

## Twist eyecups

Made from rubber coated metal, no plastic! Rigid, absolutely zero-play eyecups convince with clearly defined catches

## Focus

consisting of duralumin  
high long-term load

## Best Grip coating

prevents slipping  
and ensures a good  
grip if the body is wet

## CT glass with DDLucid coating

for better resolution and contrast and more light intensity, very low dispersion. The Raindefender nano coating ensures a water-repellent Lotus effect.

## Abbe-Koenig prisms

brightness to the  
last shooting light

## 8x45 | 10x45

The main focus on these stalking binoculars, aside from a smaller size and lighter weight, is the suitability as night stand binoculars. The new deerstalking binoculars are therefore also equipped with Abbe-Koenig prisms and we chose a lens diameter of over (normally) 42 mm. The larger lens combined with Abbe-Koenig prisms and premium multiple coatings make the binoculars noticeably brighter than those with 42 mm lens diameter.



HUNTING



# GEN3



# Pirschler 8x56 | 10x56

Let there be light

## Body and bridge

Made from ultra-hard yet extremely light magnesium alloy. The magnesium reduces the overall weight.

## Ocular

made from duralumin  
no plastic  
allows a field of view of 129 | 114 m

## Dioptr

made from duralumin  
extra large adjustment range +/- 4

## Twist eyecups

Made from rubber coated metal, no plastic! Rigid, absolutely zero-play eyecups convince with clearly defined catches

## Focus

consisting of duralumin  
high long-term load

Full groove  
prevents losing  
the lens caps

CT glass with DDLucid coating  
for better resolution and contrast  
and more light intensity, very low dispersion.  
The Raindefender nano coating ensures  
a water-repellent lotus effect.

Abbe-Koenig prisms  
brightness to the  
last shooting light

Best Grip coating  
prevents slipping  
and ensures a good  
grip if the body is wet

NIGHT HUNT



ASTRONOMY



## 8x56 | 10x56

Ultra bright and indestructible night vision and hunting binoculars. The Pirschler binoculars with up to 15x magnification features outstanding optical properties. These binoculars are specifically designed for durability. The latest materials and manufacturing processes make these binoculars a proper lightweight.



Pirschler  
8x56 brown  
Special Edition



Scan me

# GEN3



# Pirschler 12x56 | 15x56

Let there be light

## Body and bridge

Made from ultra-hard yet extremely light magnesium alloy.

The magnesium reduces the overall weight.

## Ocular

made from duralumin, no plastic, allows a field of view of 93 | 80 m

## Dioptre

made from duralumin, extra large adjustment range +/- 4

## Best Grip coating

prevents slipping and ensures a good grip if the body is wet

## Full groove

prevents losing the lens caps

## CT glass with DDLucid coating

for better resolution and contrast plus more light intensity, very low dispersion. The Raindefender nano coating ensures a water-repellent lotus effect.

## Twist eyecups

Made from rubber coated metal, no plastic! Rigid, absolutely zero-play eyecups with impressive clearly defined catch

## Focus

consist of duralumin high long-term load capacity

## Abbe-Koenig prisms

brightness to the last shooting light

## 12x56 | 15x56

The new ultra-bright and indestructible night vision & hunting binoculars Pirschler 12x56 | 15x56 Abbe-Koenig/magnesium is the long awaited first edition of our Pirschler with 12 | 15x magnification. In addition to outstanding optical properties, these binoculars are specifically designed for durability. The latest materials and manufacturing processes from aircraft construction further make these 12x56 | 15x56 binoculars a relative lightweight.



HUNTING / NIGHTTIME SITTING GAME



ASTRONOMY



BIRD WATCHING



# GEN3



# PIRSCHLER RANGE

Up to 2900 m rangefinder

Tough magnesium housing

Bright optical ED system with  
Abbe-Koenig prisms

”

*Binoculars with rangefinder*

*With the Pirschler Range it's super easy to determine distances. Simply aim with the marker in the field of view and press a button to determine the distance and angle.*





# PIRSCHLER RANGE

## Binoculars with rangefinder

Small, compact and powerful with a high range and precision. That's the new Pirschler Range 10x45 with built-in rangefinder. A highly advanced pulsating laser enables measuring ranges of almost 3 km. The Pirschler Range 10x45 is based on an Abbe-Koenig roof prism system. It does not require a separate lens to send the laser beam. This technology requires a high-quality beam splitter prism so allow the laser beam reflected by the located object to be sent to a photo cell. The time the laser takes to travel the distance is used to calculate the distance. Sighting uses a red dot built into the right beam channel of the Pirschler Range.

### Pirschler Range 10x45 | Page 44

The Pirschler Range has a powerful rangefinder to easily determine any distance on the hunting ground. With a range of up to 2900 m, the Pirschler Range 10x45 is one of the most powerful binoculars in their class. The Pirschler Range impresses with compact technology and a weight of only 1018 g. With a field of view of 114 m you can keep an eye on everything. The apochromatic lenses ensure almost complete correction of the Colour defect in the visible image.



#### Perfect and quick measurement

At the push of a button the measuring unit responds immediately and the clearly defined, bright red segments signal it's ready to use. Another push of the easy to find button triggers the measurement. The result can be read from the display without delay. The display can be adjusted to numerous levels based on the weather and lighting conditions, and unlike some competing models, is also constantly visible in measuring mode (continuous measurement).

#### From hunting in the mountains to long range in Africa

Long range hunters and mountain hunters can have the ballistic distance to the target displayed, taking into account the shooting angle. A built-in processor calculates the horizontal distance from the measured distance and angle for the hunter. A feature which will pay off even when hunting low or high mountain ranges.

Range finding 2900 m

Field of view 114 m

Abbe-Koenig prisms



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP



# Pirschler Range 10x45

Let there be light

## Dioptre adjustment

The Pirschler Range has a dioptre to compensate the dioptres on each side. So adjustments can be made separately for each eye.

## Twist eyecups

Made from rubber coated metal, no plastic! Rigid, absolutely zero-play eyecups convince with clearly defined catches

## Ocular

made from duralumin  
no plastic,  
a field of view of 114 m

## Focus

consist of  
duralumin  
high long-term  
load capacity

## Range finding

Range up to 2900 m

## Housing

made from  
ultra-hard,  
extremely light  
magnesium

## Best Grip coating

prevents slipping  
and ensures a good  
grip if the body is wet

## Full groove

prevents  
losing the  
lens caps

## CT glass with DDlucid coating

for better resolution and contrast plus more light intensity, very low dispersion. The Raindefender nano coating ensures a water-repellent lotus effect.

## Abbe-Koenig prisms

brightness to the  
last shooting light

HUNTING



HIKING & OUTDOORS



# Pirschler Range 10x45

A bright optical ED system with Abbe-Koenig prisms.

Measurement that's quick to respond and manages virtually incredible ranges.

That knows the pitch angle and ballistic distance.

Remarkably tough and made from magnesium.

With an excellent battery life.

That's the Pirschler Range.



Scan me



# NIGHTEAGLE ERGO

”  
*When every finger can find its position on binoculars, when you feel as if you're holding light and small binoculars and yet these binoculars are brighter and higher in contrast than you ever though possible in a lightweight, then we did everything right.*



Smart Focus 50 m to infinity

Prisms: Phase coating  
Schmidt-Pechan

Lenses: CT glass with FMC coating





# NIGHTEAGLE ERGO

The binoculars for at night

The Nigteagle Ergo binoculars are an uncompromising solution for all anybody expecting performance and a light weight at a moderate price. Despite its light weight, the Ergo binoculars perform incredibly, making them predestined for hunting at night or in twilight, or sitting game on large hunting grounds.

## Nigteagle ERGO DX | Page 50

**8x56 | 10x56**

Closed bridge  
Magnesium housing

## Nigteagle ERGO | Page 52

**8x56 | 10x56 | 12x56 | 15x56**

Open bridge  
Polycarbonate housing  
Eyecups with new Z-lock



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP



# Nighteagle ERGO DX

## 8x56 | 10x56 with closed bridge



## 8x56 | 10x56

### Sturdy workmanship, ergonomic design

The binoculars have a high-strength magnesium housing. By using this premium material we were not only able to increase the break-resistance, but also reduce the weight. The housing is completely coated with rubber. It dampens sound and prevents the binoculars from slipping, even if the body is wet. The ergonomic shape of the Nighteagle Ergo line is striking. Argon filling ensures the inside of the binoculars stays complete dry if dropped in water.

### Bright and high contrast binoculars

The high quality of the CT glass material used ensures an colour fringe-free image and razor-sharp edges. The quality of the new types of glass is also reflected in the fascinating image definition down to the edge of the field of view and in the high contrast of the image. An elaborate phase correction and a dielectric mirror on the roof prisms ensure high-contrast, colourful images and further brightens the image.

### Product information

closed bridge  
good edge definition  
ideal for moonlight and backlight  
bright and high-contrast  
price-performance pro  
tough and all-weather



NIGHT HUNT





# Nighteagle ERGO

## 8x56 | 10x56 | 12x56 | 15x56

Bright, lightweight, higher contrast



NIGHT HUNT



## 8|10|12|15x56

The new Nighteagle Ergo is more than the next generation – it's an uncompromising solution for all anybody expecting performance and a light weight at a moderate price. Despite the light weight, the Nighteagle Ergo delivers a performance which surpasses most binoculars at the 400 € price level. The Nighteagle Ergo is predestined for die sitting and twilight hunt on large hunting grounds.

The new Generation 3 was further improved. The focus wheel and the dioptré are made from sturdy metal, yet we were able to make the binoculars lighter overall. In addition, the eyecups are equipped with an innovative Z-lock.

Whether during the day or in twilight, a vision is prettiest if it is looks completely natural and the colours are true. The new optics of the Nighteagle Ergo 3 gives the observer the feeling of actually experience brilliant reality and the Nighteagle Ergo always has positive surprises in store.





# TRAVEL BIRD WATCHING OUTDOORS

”

*The experience of observing a bird  
in all its beauty and vividness  
is like a perpendicular in time.  
At that moment, nothing else  
matters, you are completely  
living for the moment.*

Arnulf Conradi

**03**  
Tage KOSTENLOS  
TESTEN

**30**  
Jahre HERSTELLER  
GARANTIE

**100**  
PROZENT PREMIUM  
QUALITÄT



HOLIBAI

Page 56



LUH HA

Page 66





KOLIBRI

”

*Switch from small insects  
in short focus to game  
standing at the edge of the  
woods.*



Small design,  
fits into any coat pocket

Large field of view for  
a unique, natural panorama

Remarkable contrast



# KOLIBRI

Small binoculars, big image

Not only hunters and nature lovers will appreciate Kolibri as their little friend. With these binoculars, the entire family will get to know their surroundings even better. The Kolibri series binoculars fit in any jacket pocket! One look and the little binoculars show their true strength.

The all-round binoculars are perfect for large distances – during the day and in low light. The exit pupil is in a range which still allows tireless observation. At a featherweight unrivalled in this price range, the small size, a large field of view for binoculars of this type and the short close focusing range, the uses are almost endless – for hunting in the woods, field and mountains, or observing birds, flowers and insects.

## Kolibri | 25 mm Lens | Page 60

Binoculars you always have on you are better than binoculars you always leave at home. This little friend fits in any jacket pocket, making it the perfect "take along binoculars".

## Kolibri | 32 mm Lens | Page 62

Small, lightweight and always with you. But yet somewhat still suitable for low light. An exit pupil of 4 mm also manages low light.

## Kolibri | 42 mm Lens | Page 64

The classic size for bird watching. An exit pupil of 5.3 mm allows a bright, brilliant image until twilight.

### Bright and high-contrast field glasses

An elaborate phase correction of the roof prism system ensures brilliant, true colours and high-contrast images. Hardly any veiling glare in moonlight or backlight. The new HDX-FMC coating used in the Generation 3 guarantees not only an impressive image brightness, but an even better and more reflection-free image definition to the edge of the field of view.

### Waterproof binoculars

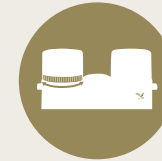
The Kolibri can be focused with true internal focus. Starting at a range of only 2.5 m, an object will be sharp. This also works in heavy rain, which does not harm the binoculars. Nitrogen filling ensures the Kolibri is completely waterproof and fog-free.



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP



# GEN3



# Kolibri 8x25 | 10x25

Small powerhouse



## 8x25 | 10x25

### Recommended use

Especially when it's important to react to game clearly, these binoculars with their bright, high-contrast and reflection-free image rendering and the light weight are excellent for a variety of hunting purposes during the day and in twilight. Optical quality, sharpness of detail and a brilliant image offer nature lovers, hikers and animal observers a stunning visual experience. The close range adjustment and the wide field of view also make these binoculars popular among ornithologists and insect observers.

### Full field of view for glasses wearers

The retractable eyecups also allow glasses wearers to fully enjoy the entire field of view. The easy to adjust dioptr compensation is on the right ocular.

### Product information

good price-performance ratio  
small size with new slim bridge  
Dioptr adjustment, focus wheel  
and metal eyecup  
high-contrast



HIKING & OUTDOORS



ARCHERY



# GEN3



# Kolibri 8x33 | 10x33

A companion for the whole family



## 8x33 | 10x33

### Recommended use

Especially when it's important to react to game clearly, these binoculars with their bright, high-contrast and reflection-free image rendering and the light weight are excellent for a variety of hunting purposes during the day and in twilight. Optical quality, sharpness of detail and a brilliant image offer nature lovers, hikers and animal observers a stunning visual experience. The close range adjustment and the wide field of view also make these binoculars popular among ornithologists and insect observers.

### Full field of view for glasses wearers

The retractable eyecups also allow glasses wearers to fully enjoy the entire field of view. The easy to adjust dioptré compensation is on the right ocular.

### Product information

good price-performance ratio  
small size with new slim bridge  
Dioptré adjustment, focus wheel and metal eyecup  
124 m | 106 m field of view  
HDX-FMC coating  
high-contrast



BIRD WATCHING



HIKING & OUTDOORS



ARCHERY



# GEN3



# Kolibri 8x42 | 10x42

Small binoculars, big image



## 8x42 | 10x42

### The new generation

The Generation 3 not only features a new design with slim bridge, but also improved optics. Apart from completely overhauled and improved optics, among other things the HDX-FMC coating is now also used. In addition, all moving parts on this model such as dioptre, focus wheel and eyecup are made from tough light metal. The weight of the 3rd generation was reduced by about 40 g compared to its predecessor.

### Full field of view for glasses wearers

The Kolibri 8x46 and 10x46 features eyecups with Z-lock made from indestructible light metal. The retractable eyecups also allow glasses wearers to fully enjoy the entire field of view. The easy to adjust dioptre compensation is on the right ocular.

### Product information

good price-performance ratio  
small size with new slim bridge  
Dioptre adjustment, focus wheel  
and metal eyecup  
high-contrast



HIKING & OUTDOORS



BIRD WATCHING



HUNTING



ARCHERY



# GEN3





LUX-HR ED

”

*The binoculars are not only the ideal travel companion, but are also suitable for hiking, nature observation or events.*

Slim, compact design

Smallest structures and details

Maximum resolution  
and image brightness





# LUX-HR ED

The new pocket binoculars by DDoptics

The Lux-HR series was developed in 2017 to combine maximum resolution and image brightness. At the same time, we wanted to design one of the shortest and most compact binoculars. To achieve this, the binoculars to be newly developed were equipped with special Schmidt-Pechan prisms, which have a very short return. Thus the new Lux-HR combines all the positive characteristics of perfect ornithologist binoculars with the requirements of hunting and deerstalking binoculars in a completely new way.

The goal was to design lightweight and handy binoculars with impressive optical properties. The new Lux-HR 10x25 "Pocket" ED clearly achieved this goal. The Lux-HR "Pocket" ED is so compact it fits in any jacket pocket, no matter how small. Despite the tough magnesium housing we were able to keep the weight very light. The optics of the new compact class provide an impressively bright and clear image which is still impressive in low ambient light. The Lux-HR "Pocket" ED therefore combines a lightweight and compact design with brilliant optical properties!

## Lux-HR Pocket ED 8x25 | 10x25 | Page 70

Field flattener lenses  
Microbridge



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP



### Premium optical components

As with all Lux-HR series binoculars, the Pocket version is also equipped with so-called field flattener lenses - an absolute novelty for binoculars at this price level. Field flattener lenses are special lens elements inside binoculars which compensate the image field curvature for a virtually even image. Lines and edges which are naturally curved due to the lens curve are straight again. Advantage: Finest structures and the smallest details are sharp to the edge.





# Lux-HR ED 8x25 | 10x25

An essential companion



#### Focus wheel

made from aluminium with very steep adjustment effect  
so various observation distances can be refocused with  
a very small finger movement

#### Dioptr

+3.5 to -3.5 dioptres

#### Microbridge

guarantees  
an optimal grip

#### Twist eyecups

made from metal  
rubber coated

#### Field Flatteners

Allow an up to 114 m  
distortion-free  
field of view

DDoptics

#### Body and bridge

indestructible  
virtually unbreakable,  
made from magnesium  
295 | 300 g

#### Schmidt-Pechan roof prism

DDLucid coated, dielectric mirror,  
high colour intensity, high contrast,  
maximum brightness

## 8x25 | 10x25

### Small binoculars, big difference

The field flattener lenses have an even better DDLucid coating, an upgrade of the ELR coating (Extra Low Reflection). DDLucid by DDoptics is one of the currently most effective coatings for binoculars. Only premium binoculars currently feature similarly highly advanced coatings. The Schmidt-Pechan roof prism is phase-coated. Combined with the dielectric mirror, the Phase correction coating ensures excellent colour intensity and contrast along with maximum brightness. An ED fully apochromatic lens reduces colour fringes in backlight and guarantees clean contours.

### Optimal grip for tireless observation

A special rubber coating (Soft Touch Layer) with special brushed surface guarantees an optimal grip, even in wet conditions. The bridge has an ergonomic recess for comfortable finger contact. Thanks to the slim and compact design, the binoculars are comfortable to hold and enable tireless observation. The adjustable eyecups are made from high-strength alloy. The rubber of the eyecups further protects the oculars from damage in rough conditions. Of course the Lux-HR Pocket binoculars are completely waterproof and protected against fogging up inside.



HIKING & OUTDOORS



Scan me



# Freizeit

”

*Hiking is the perfect way to travel  
if you want to discover real life.  
It's freeing.*

Elizabeth von Arnim

**03**  
Tage KOSTENLOS  
TESTEN

**30**  
Jahre HERSTELLER  
GARANTIE

**100**  
PROZENT PREMIUM  
QUALITÄT

ULTRALIGHT  
Page 74





# ULTRALIGHT

”

*Small, light, handy and powerful - the universal hiking and deerstalking binoculars. Absolutely sturdy in nature.*

Lightweight

Sturdy design

Waterproof



# ULTRALIGHT

For a better view

The universal hiking and Deerstalking binoculars by DDoptics meet all the requirements you may expect from outdoors, hiking and travel binoculars: They're light, small, handy and powerful. And of course the Ultralight binoculars are also waterproof and sturdy.

The coating on the prisms and lenses ensure a bright and comfortable image. And if you don't need the binoculars any more, they will easily fit in your jacket pocket. The light weight of the Ultralight binoculars is never bothersome.

## Ultralight | 8x26 | 10x26 | Page 78

Designed to be small, light and affordable. And yet the Ultralight binoculars are waterproof according to IP65 and nitrogen-filled.

## Ultralight | 8x34 | 10x34 | Page 80

Despite their slightly larger lens diameter, the 34 mm Ultralight binoculars are still small pocket binoculars which can be used a bit longer in twilight due to the lens size.

## Ultralight | 8x42 | 10x42 | P. 82

The 42 mm size is a classic for hiking or bird watching. The binoculars can even still be used in late twilight.

## Ultralight | 8x50 | 10x50 | 12x50 | Page 84

More light and higher magnifications can be achieved with a 50 mm lens.

### Sturdy design

The nitrogen-filled Ultralight binoculars are made from unbreakable polycarbonate and also a lightweight, making it quick to use and hardly takes up any room in your pocket. Due rubber coating on the housing the binoculars won't slip from your hands, even in rain.

### For your outdoors holiday!

Despite severe weather conditions, yet light and handy, making it an all round optimal travel companion. Unerring fine adjustment of the mechanics is guaranteed. The focus wheel runs free and with zero play. With the accessories the binoculars are quickly packed and ready to use.



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



TWIST EYECUP



# Ultralight 8x26 | 10x26

Powerful lightweight



## 8x26 | 10x26

### The perfect companion

Ideal for any use, whether nature observation and bird watching, or even on travels, the ULTRAlight 8x26 binoculars is the universal hiking and deerstalking binoculars. Plus it's light, small and handy, an optimal travel companion. These beautiful and powerful binoculars are great to take along. The ULTRAlight 8x26 is sturdy yet even withstands severe weather conditions.

### Product information

open bridge  
fine adjustment mechanics  
nitrogen filled



HIKING & OUTDOORS



Scan me



# Ultralight 8x34 | 10x34

For a better view



HIKING & OUTDOORS

## 8x34 | 10x34

### Light, small, handy and powerful

is what universal hiking and deerstalking binoculars should be. The Ultralight binoculars needs to be sturdy, plus these small binoculars are simply beautiful. The open bridge invites the hand to firmly wrap around the barrel for a good grip and comfort. The coating on the prisms and lenses ensure a bright and comfortable image. And if you don't need the binoculars any more, they will easily fit in your jacket pocket. The light weight of the Ultralight binoculars is never bothersome.

### Perfectly suited for outdoors adventure holidays

Whether in the mountains or by the sea, in -15°C or in 45°C in the desert. The nitrogen filled Ultralight will do it all and looks good. Till dusk, it will help you identify the right path or shows you little hidden treasures you would never have discovered without your trusted companion.

### Product information

open bridge  
fine adjustment mechanics  
nitrogen filled  
good resolution





# Ultralight 8x42 | 10x42

For a better view



## 8x42 | 10x42

### Perfectly suited even in advanced dusk

Till dusk, the Ultralight will help you identify the right path or shows you little hidden treasures you would never have discovered without your trusted companion. The 8x and 10x42 Ultralight being clearly better suited for use in dusk and at night is new. Add to this not only the larger lens opening, but also clearly improved transmission.

### Sturdy design for demanding outdoor use

The individual barrels are made from ultra hard, unbreakable polycarbonate. Alloy at all critical points such as the eyecups or the hinges.

### Price-performance are key

The Ultralight 8x42 | 10x42 offers optics which can do basically anything you expect from such a tiny little thing. An open bridge was previously also very difficult, if not impossible, to find in binoculars at this price level.

### Product information

open bridge  
fine adjustment mechanics  
nitrogen filled  
good resolution  
Phase Coating & Dielectric Coating



HIKING & OUTDOORS



MOUNTAIN HUNTING





# Ultralight 8x50 | 10x50 | 12x50

For a better view



## 8x50 | 10x50 | 12x50

### The brighter 50 mm version

This version binoculars are often a bit harder to find, as most manufacturers focus on sizes with 42 mm lens diameter or simply offer 8x56 night vision binoculars. Yet the 50 mm design combines many positive characteristics. For instance, these binoculars are particularly great for bird watching in low light or for hunting at night or in twilight. The Ultralight is surprisingly bright and can easily be used almost to the very last shooting light yet a proper lightweight.

### Fine mechanics

The focus wheel runs free and with zero play. Not too hard, not too easy, and the fine adjustment is just as easy as it is accurate. The dioptré, which can be controlled below the right ocular, can be adjusted just as clean and precise. The eyecups have four clear settings, allowing both glasses wearers and non-glasses wearers to adjust the best possible and most comfortable eye relief.

### Product information

- open bridge
- fine adjustment mechanics
- nitrogen filled
- good resolution
- Phase Coating & Dielectric Coating



BIRD WATCHING



NIGHT HUNT



Scan me



# Life on the Water

”

*The sea, once it casts its spell,  
holds one in its net of wonder  
forever.*

Jacques-Yves Cousteau

**03** KOSTENLOS  
Tage TESTEN

**30** HERSTELLER  
Jahre GARANTIE

**100** PREMIUM  
PROZENT QUALITÄT



**HALEU HDH**

Page 88



KALEU  
HDX

”

*As marine binoculars with a large hydro-stabilised compass and a red illuminated hair-line graticule to estimate distances, these typical marine binoculars 7x50 combines premium coating with the classic Porro prism design.*

Marine binoculars with  
compass

Lighted graticule

Waterproof  
at diving depths up to 5 m





# KALEU HDX

For marine and yachting

The Kaleu HDX 7x50 impresses during the day and at night with its brilliant image representation and definition up to the edge and a large field of view of 135 m.

A large, hydro-stabilised compass with built-in on-demand lighting ensures sea captains also stay on course in rough waters. A red illuminated hair-line graticule enables estimating the distance.

In navigation, the use at night makes is considerably more difficult to adjust and focus binoculars. The Kaleu HDX 7x50 is therefore equipped with a so-called Smart Focus. This means they are focused through a true internal focus. Once focused, the eye automatically adjusts to various distances without constant refocusing.

Combined with the elaborate barium crown glass HDX optics, objects can still be seen in the dark when other binoculars in this category will no longer deliver satisfactory results. The Porro prisms system does not allow any veiling glare in moonlight or backlight. The contrast and true colours in the image representation leave nothing to be desired.

## Kaleu 7x50 HDX | Page 92

- Binoculars with built-in compass display
- illuminated hair-line graticule (glassing & compass)
- large, sharply contoured field of view of 135 m
- high light transmission values
- no veiling glare
- Porro prism
- very high picture resolution
- waterproof up to 5 m
- ideal marine binoculars

### Using the Mil Hash reticle to estimate the distance

The viewing angle of an object is the angle from your binoculars to the edges of the object. It is calculated in MILS with the Mil Hash reticle on your binoculars. With this measurement you can calculate the distance to an object where the height of the width of the object is known. This measurement is either taken horizontally or vertically and referred to as horizontal viewing angle or vertical viewing angle.

### Optics with high light transmission

The FMC-HDX coating is specifically for the 400-500 nm light wave range - which is the blue light wave range particularly important for the human eye at night. The result is 7x50 binoculars which is still able to deliver excellent image brightness and definition for a long time, even with increasing darkness.

floats  
won't sink



NON-SLIP



DUST-PROOF



DIOPTRE



WATERPROOF



NITROGEN-FILLED



LENS COATING



FOLDING EYECUP



# Kaleu 7x50 HDX

Find the way to your home port



**Special rubber coating**  
With Soft Touch Layer with brushed surface ensures an optimal grip, even in wet conditions.

**Folding eyecups**  
suitable for glasses wearers

**Large, hydro-stabilised compass**  
With built-in on demand light

**Individual ocular adjustment**  
for a clean adjustment of the image definition  
Dioptre range from -5 to +5

**Sturdy housing**  
Nitrogen-filled  
Waterproof at diving depths of up to 5 m

**Light transmittance of peak values**

A classic Porro prism and the proven HDX coating create the prerequisites for an overall light transmission of up to 93 percent with a remarkable contrast.

**Porro prisms**

The FMC-HDX coating is specifically for the 400-500 nm light wave range.

## 7x50

### Sturdy workmanship

The fibre-reinforced plastic design can even manage being dropped from up high. The Kaleu 7x50 is water-pressure tight and even withstands salt water at diving depths of up to 5 m over prolonged periods. Thanks to the nitrogen filling, the internal optical lenses cannot fog up.

### Recommended use as marine binoculars 7x50

With 7x magnification, the large field of view of 135 m and being waterproof up to 5 m, the Kaleu HDX 7x50 is ideal for sailors, skippers, charterers, yachtsmen, professional ship's masters and as outdoor and hiking binoculars. Captains particularly value these bright binoculars with their bright, high-contrast and reflection-free image representation in twilight and at night. The built-in compass with illuminated hair-line graticule, light weight and the ability to estimate distances also make the Kaleu HDX 7x50 quite popular in the mountains or on expeditions.



MARINE & YACHT



NIGHT HUNT





RECOMMENDED

USE



## Binoculars DDoptics

PREMIUM

Page 96

NIGHT HUNT

Page 96

TRAVEL, OUTDOOR,  
BIRD WATCHING

Page 98

HIKING

Page 98

MARINE

Page 98

03  
Tage KOSTENLOS  
TESTEN

30  
Jahre HERSTELLER  
GARANTIE

100  
PROZENT PREMIUM  
QUALITÄT

”

*Nature doesn't need to try  
to be important. It is.*

Robert Walser





Binoculars	Deerstalking	Night Hunt	Drive Hunt	Archery	Marine & Yacht
SHG					
8x42	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
10x42	★★★★★	★★★	★★★★	★★★★★	★★★★
HDs					
8x42	★★★★	★★★	★★★★	★★★★	★★★★
10x42	★★★★	★★★	★★★	★★★★	★★★★
EDX Fieldstar					
8x30	★★★★	★	★★★★	★★★★	★★
10x30	★★★★	★	★★	★★★★	★★
EDX					
8.5x50	★★★	★★★★★	★★	★★	★★★
10x50	★★★	★★★	★	★★	★★★
12x50	★★	★★	★	★	★★
Nigteagle ERGO DX					
8x56 DX	★★	★★★★★	★★	★	★★
10x56 DX	★★	★★★	★	★	★
Nigteagle ERGO					
8x56	★★	★★★★★	★★	★	★
10x56	★★	★★★★★	★	★	★
12x56	★★	★★★★	★	★	★
15x56	★	★★	★	★	★
Pirschler					
8x45	★★★	★★★★	★★	★	★
10x45	★★★	★★★★	★★	★	★
8x56	★	★★★★★★	★★	★	★
10x56	★★	★★★★★	★	★	★
12x56	★★	★★★★	★	★	★
15x56	★★	★★	★	★	★
Pirschler Range					
10x45	★★★★★	★★★★★	★★★	forbidden	★★



# RECOMMENDED USE

## THE CHOICE IS YOURS



BINOCULARS	HIKING & OUTDOORS	BIRD WATCHING	ASTRONOMY	HUNTING	MOUNTAIN HUNTING
Kolibri					
8x25	★★★★★	★★	★	★	★★
10x25	★★★★★	★★	★	★	★★
8x33	★★★★★	★★	★	★	★★
10x33	★★★★★	★★★★	★	★	★★
8x42	★★★★★	★★★★	★	★★★★	★★
10x42	★★★★★	★★★★★	★	★★★★	★★★★
ULTRAlight					
8x26	★★★★★	★★	★	★	★
10x26	★★★★★	★★	★	★	★
8x34	★★★★★	★★	★	★	★★
10x34	★★★★★	★★	★	★	★★
8x42	★★★★★	★★	★	★★	★★
10x42	★★★★★	★★	★	★★	★★★★
8x50	★★	★★	★	★★	★
10x50	★★	★★	★	★★	★★
12x50	★	★★	★	★	★★
LUX-HR Pocket ED					
8x25	★★★★★	★★	★	★	★★
10x25	★★★★★	★★	★	★	★★
Kaleu HDX					
7x50	★	★★	★★	★★	★

Hunting Binoculars price and quality levels  
Our guideline at DDoptics is always offering our customers the optimal hunting binoculars for their respective budget without falling short of our very high standard for "good hunting binoculars".



BINOCULARS	DEERSTALKING	NIGHT HUNT	DRIVE HUNT	ARCHERY	MARINE & YACHT
Kolibri					
8x25	★★	★	★★	★★★	★
10x25	★★	★	★	★★★	★
8x33	★★	★	★★	★★★	★
10x33	★★	★	★	★★★	★
8x42	★★★★	★★	★★★★	★★★★	★
10x42	★★★★	★	★	★★★★	★
ULTRAlight					
8x26	★★	★	★	★	★
10x26	★★	★	★	★	★
8x34	★★	★	★★	★★	★
10x34	★★	★	★	★★	★
8x42	★★	★★	★★	★★	★
10x42	★★	★	★	★★	★
8x50	★	★★★★	★	★	★
10x50	★	★★	★	★	★
12x50	★	★	★	★	★
LUX-HR Pocket ED					
8x25	★★	★	★★	★★	★
10x25	★★	★	★	★★	★
Kaleu HDX					
7x50	★	★★★★★	★	★	★★★★★

Hiking binoculars & travel binoculars  
by DDoptics have one thing in common: Brilliant image, small, lightweight and handy.

DDoptics binoculars for **bird watching** feature excellent image brilliance and true colours. When you have a special bird in front of you out in nature, you want to see it in all its beauty.





# TECHNICAL DATA



## Binoculars DDoptics

PREMIUM

Page 102

NIGHT HUNT

Page 108

TRAVEL, OUTDOOR,  
BIRD WATCHING

Page 114

HIKING

Page 118

MARINE

Page 120

**03** KOSTENLOS  
Tage TESTEN

**30** HERSTELLER  
Jahre GARANTIE

**100** PREMIUM  
PROZENT QUALITÄT

”

*The details are not  
the details. They  
make the design.*

Charles Eames



# PREMIUM

## TECHNICAL DATA



Properties	SHG 8x42	SHG 10x42
Weight in g	710	698
Magnification	8 x	10 x
Lens Ø in mm	42	42
Pupillary distance in mm	56-75	57-76
Exit pupil in mm	5.25	4.2
Field of view at 1000 m in m	141.75	115.5
Viewing angle in degrees (°)	8.1	6.6
Eyecups	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Multi Coating	Multi Coating
Lens coating	FFMC	FFMC
Raindefender	RNP coated	RNP coated
Housing material	Magnesium alloy	Magnesium alloy
Rubber coated	Rubber	Rubber
Eye relief in mm	19	16.5
Close focusing from (in m)	2	2
Dioptr adjustment	centre	centre
Dioptr compensation	-3 to +3	-3 to +3
Light intensity	27.6	17.6
Twilight factor	18.3	20.5
Nitrogen-filled	Yes	Yes
Waterproof	IP68	IP68
Dimensions H/W/D in mm	150.5 / 126 / 59	150.5 / 126 / 59
Accessories / Features		
Binocular bag	DDoptics premium bag	DDoptics premium bag
Cover (ocular)	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes
Strap	Niggeloh leather loden black	Niggeloh leather loden black
Cleaning cloth	Yes / yes	Yes / yes
Item no.:	440100100	440100101
SRP in EUR	1,247.00 €	1,249.00 €



Properties	HDS 8x42	HDS 10x42
Weight in g	681	698
Magnification	8 x	10 x
Lens Ø in mm	42	42
Pupillary distance in mm	55-75	57-75
Exit pupil in mm	5.25	4.2
Field of view at 1000 m in m	122.5	105
Viewing angle in degrees (°)	7	6
Eyecups	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Multi Coating	Multi Coating
Lens coating	FFMC	FFMC
Raindefender	RNP coated	RNP coated
Housing material	Aluminium alloy	Aluminium alloy
Rubber coated	Rubber	Rubber
Eye relief in mm	19	17
Close focusing from (in m)	2.5	2.5
Dioptr adjustment	centre	centre
Dioptr compensation	-3 to +3	-3 to +3
Light intensity	27.6	17.6
Twilight factor	18.3	20.5
Nitrogen-filled	Yes	Yes
Waterproof	IP68	IP68
Dimensions H/W/D in mm	146 / 130 / 52	146 / 130 / 52
Accessories / Features		
Binocular bag	DDoptics premium bag	DDoptics premium bag
Cover (ocular)	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes
Strap	Niggeloh leather loden black	Niggeloh leather loden black
Cleaning cloth	Yes / yes	Yes / yes
Item no.:	440100102	440100103
SRP in EUR	595.00 €	597.00 €



# PREMIUM

## TECHNICAL DATA



Properties	EDX 8x30 Fieldstar	EDX 10x30 Fieldstar
Weight in g	460	466
Magnification	8 x	10 x
Lens Ø in mm	30	30
Pupillary distance in mm	55-74	57-76
Exit pupil in mm	3.75	3
Field of view at 1000 m in m	151	120
Viewing angle in degrees (°)	8.6	6.9
Eyecups	Twistup Metal	Twistup Metal
Prism type	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Dielectric 72s	Dielectric 72s
Lens coating	DDLucid	DDLucid
Raindefender	RNP coated	RNP coated
Housing material	Polycarbonate	Polycarbonate
Rubber coated	Rubber	Rubber
Eye relief in mm	15	15
Close focusing from (in m)	1.3	1.3
Dioptr adjustment	right	right
Dioptr compensation	-3.5 to +3.5	-3.5 to +3.5
Light intensity	14.06	9
Twilight factor	15.49	17.32
Nitrogen-filled	Yes	Yes
Waterproof	IP68	IP68
Dimensions H/W/D in mm	120 / 114 / 40	120 / 114 / 40
Accessories / Features		
Binocular bag	DDoptics bag	DDoptics bag
Cover (ocular)	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes
Strap	Niggeloh neoprene black	Niggeloh neoprene black
Cleaning cloth	Yes / yes	Yes / yes
Item no.:	440100007	440100008
SRP in EUR	637.00 €	639.00 €



Properties	EDX 8.5x50	EDX 10x50	EDX 12x50
Weight in g	868	887	902
Magnification	8.5 x	10 x	12 x
Lens Ø in mm	50	50	50
Pupillary distance in mm	58-72	57-74	58-74
Exit pupil in mm	5.88	5	4.16
Field of view at 1000 m in m	102	102	99
Viewing angle in degrees (°)	-	5.2	5.2
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Dielectric 72s	Dielectric 72s	Dielectric 72s
Lens coating	DDLucid	DDLucid	DDLucid
Raindefender	RNP coated	RNP coated	RNP coated
Housing material	Polycarbonate	Polycarbonate	Polycarbonate
Rubber coated	Rubber	Rubber	Rubber
Eye relief in mm	17.5	19	16.4
Close focusing from (in m)	2.6	2.6	2.6
Dioptr adjustment	right	right	right
Dioptr compensation	-4 to +4	-4 to +4	-3.5 to +3.5
Light intensity	34.6	25	17.36
Twilight factor	20.6	22.36	24.49
Nitrogen-filled	Yes	Yes	Yes
Waterproof	IP68	IP68	IP68
Dimensions H/W/D in mm	175 / 132 / 60	175 / 132 / 60	175 / 132 / 60
Accessories / Features			
Binocular bag	DDoptics bag	DDoptics bag	DDoptics bag
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes
Strap	Niggeloh neoprene black	Niggeloh neoprene black	Niggeloh neoprene black
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes
Item no.:	440100004	440100005	440100006
SRP in EUR	1,167.00 €	1,169.00 €	1,189.00 €



*”At home in the wild and  
in the sand! Dust and  
sand have just as little  
effect on us as water and  
the cold.*



# NIGHT HUNT

## TECHNICAL DATA



Properties	Pirschler 8x45	Pirschler 10x45	Pirschler 8x56	Pirschler 8x56 brown
Weight in g	950	910	1150	1150
Magnification	8 x	10 x	8 x	8 x
Lens Ø in mm	45	45	56	56
Pupillary distance in mm	57-75	56-75	59-75	59-75
Exit pupil in mm	5.78	4.54	7	7
Field of view at 1000 m in m	135	110	129	129
Viewing angle in degrees (°)	7.7	6.3	7.4	7.4
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Abbe-Koenig	Abbe-Koenig	Abbe-Koenig	Abbe-Koenig
Prism mirroring	Phase Coating	Phase Coating	Phase Coating	Phase Coating
Lens coating	DDLucid	DDLucid	DDLucid	DDLucid
Raindefender	RNP coated	RNP coated	RNP coated	RNP coated
Housing material	Magnesium	Magnesium	Magnesium	Magnesium
Rubber coated	Rubber	Rubber	Rubber	Rubber
Eye relief in mm	20	20	20	20
Close focusing from (in m)	2.5	2.5	2.5	2.5
Dioptr adjustment	right	right	right	right
Dioptr compensation	-4 to +4	-4 to +4	-4 to +4	-4 to +4
Light intensity	31.64	20.25	49	49
Twilight factor	18.97	21.21	21.6	21.6
Nitrogen-filled	Yes	Yes	Yes	Yes
Waterproof	IP68	IP68	IP68	IP68
Dimensions H/W/D in mm	172 / 140 / 55	172 / 140 / 55	190 / 155 / 65	190 / 155 / 65
Accessories / Features				
Binocular bag	DDoptics bag	DDoptics bag	DDoptics bag	DDoptics bag
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Strap	Niggeloh neoprene green	Niggeloh neoprene green	Niggeloh neoprene green	Niggeloh loden leather brown
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Item no.:	441930845	441931045	441930856	441930859
SRP in EUR	547.00 €	549.00 €	679.00 €	689.00 €



Properties	Pirschler 10x56	Pirschler 12x56	Pirschler 15x56
Weight in g	1150	1180	1200
Magnification	10 x	12 x	15 x
Lens Ø in mm	56	56	56
Pupillary distance in mm	55-75	56-75	55-75
Exit pupil in mm	5.6	4.7	3.8
Field of view at 1000 m in m	114	93	80
Viewing angle in degrees (°)	6.5	5.4	4.57
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Abbe-Koenig	Abbe-Koenig	Abbe-Koenig
Prism mirroring	Phase Coating	Phase Coating	Phase Coating
Lens coating	DDLucid	DDLucid	DDLucid
Raindefender	RNP coated	RNP coated	RNP coated
Housing material	Magnesium	Magnesium	Magnesium
Rubber coated	Rubber	Rubber	Rubber
Eye relief in mm	20	20	20
Close focusing from (in m)	2.5	2.5	2.5
Dioptr adjustment	right	right	right
Dioptr compensation	-4 to +4	-4 to +4	-4 to +4
Light intensity	31.36	21.78	13.94
Twilight factor	23.66	25.92	29
Nitrogen-filled	Yes	Yes	Yes
Waterproof	IP68	IP68	IP68
Dimensions H/W/D in mm	190 / 155 / 65	222 / 160 / 76	222 / 160 / 76
Accessories / Features			
Binocular bag	DDoptics bag	DDoptics bag	DDoptics bag
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes
Strap	Niggeloh neoprene green	Niggeloh neoprene green	Niggeloh neoprene green
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes
Item no.:	441931056	441931256	441931556
SRP in EUR	682.00 €	685.00 €	695.00 €

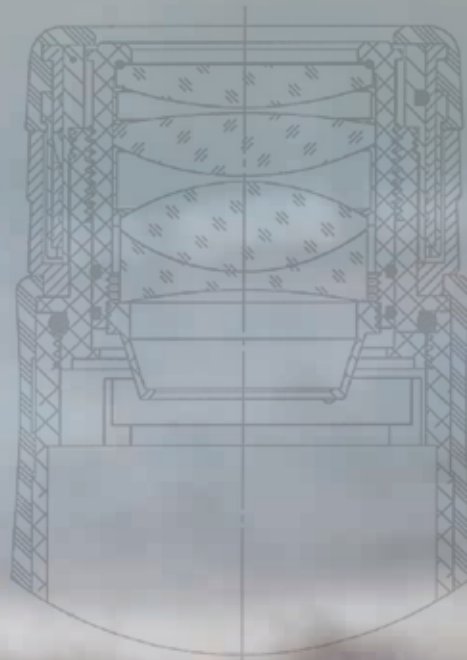


# NIGHT HUNT

## TECHNICAL DATA



Properties	Pirschler Range 10x45
Weight in g	1018
Magnification	10 x
Lens Ø in mm	45
Pupillary distance in mm	57-73
Exit pupil in mm	4.2
Field of view at 1000 m in m	114
Viewing angle in degrees (°)	6.5
Eyecups	TwistUp metal
Prism type	Abbe-Koenig
Prism mirroring	Laser Coating
Lens coating	FBMC
Raindefender	RNP coated
Housing material	Magnesium
Rubber coated	Rubber
Eye relief in mm	17
Close focusing from (in m)	2.5
Dioptre adjustment	left and right
Dioptre compensation	-5 to +5
Light intensity	20.25
Twilight factor	21.21
Nitrogen-filled	Yes
Waterproof	IPX5 /IP68
Dimensions H/W/D in mm	170/127/55
Binocular bag	DDoptics bag
Cover (ocular)	Yes / yes
Cover (lens)	Yes / yes
Strap	Niggeloh loden leather
Cleaning cloth	Yes / yes
Article no. green:	441931049
Article no. brown:	441931047
Article no. sand:	441931048
SRP in EUR	1,389.00 €





# NIGHT HUNT

## TECHNICAL DATA



Properties	Nighteagle ERGO DX 8x56	Nighteagle ERGO DX 10x56	Nighteagle ERGO 8x56
Weight in g	995	995	960
Magnification	8 x	10 x	8 x
Lens Ø in mm	56	56	56
Pupillary distance in mm	56-74	56-74	61-75
Exit pupil in mm	7	6	7
Field of view at 1000 m in m	117	105	115
Viewing angle in degrees (°)	6.7	6	6.6
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Dielectric 52s	Dielectric 52s	Dielectric 52s
Lens coating	FMC H7	FMC H7	FMC HDX
Raindefender	RNP coated	RNP coated	RNP coated
Housing material	Magnesium	Magnesium	Polycarbonate
Rubber coated	Rubber	Rubber	Rubber
Eye relief in mm	22.5	21.5	18.2
Close focusing from (in m)	2.5	2.5	2.5
Dioptr adjustment	right	right	right
Dioptr compensation	-3 to +3	-3 to +3	-4 to +4
Light intensity	49	31,36	49
Twilight factor	21.17	23.66	21.16
Nitrogen-filled	Yes	Yes	Yes
Waterproof	IP68	IP68	IP67
Dimensions H/W/D in mm	165 / 145 / 65	165 / 145 / 65	165 / 164 / 66
Accessories / Features			
Binocular bag	DDoptics bag harness	DDoptics bag harness	DDoptics bag
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes
Strap	Niggeloh neoprene green	Niggeloh neoprene green	Niggeloh neoprene green
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes
Item no.:	440110011	440110012	440120010
SRP in EUR	450.00 €	457.00 €	385.00 €



Properties	Nighteagle 10x56	Nighteagle 12x56	Nighteagle 15x56
Weight in g	970	940	930
Magnification	10 x	12 x	15 x
Lens Ø in mm	56	56	56
Pupillary distance in mm	60-75	60-75	60-75
Exit pupil in mm	5.6	4.6	3.8
Field of view at 1000 m in m	107	96	71
Viewing angle in degrees (°)	6.1	5.5	4
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Dielectric 52s	Dielectric 52s	Dielectric 52s
Lens coating	FMC HDX	FMC HDX	FMC HDX
Raindefender	RNP coated	RNP coated	RNP coated
Housing material	Polycarbonate	Polycarbonate	Polycarbonate
Rubber coated	Rubber	Rubber	Rubber
Eye relief in mm	18.1	16.1	15.7
Close focusing from (in m)	2.5	4	4
Dioptr adjustment	right	right	right
Dioptr compensation	-3 to +3	-3 to +3	-3 to +3
Light intensity	31.36	21.78	13.94
Twilight factor	23.7	25.9	29
Nitrogen-filled	Yes	Yes	Yes
Waterproof	IP67	IP67	IP67
Dimensions H/W/D in mm	165 / 144 / 66	165 / 146 / 66	165 / 146 / 66
Accessories / Features			
Binocular bag	DDoptics bag	DDoptics bag	DDoptics bag
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes
Strap	Niggeloh neoprene green	Niggeloh neoprene green	Niggeloh neoprene green
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes
Item no.:	440120011	440120012	440120013
SRP in EUR	387.00 €	389.00 €	395.00 €



# TRAVEL, OUTDOOR,

## TECHNICAL DATA



Properties	Kolibri 8x25	Kolibri 10x25	Kolibri 8x33
Weight in g	296	282	475
Magnification	8 x	10 x	8 x
Lens Ø in mm	25	25	33
Pupillary distance in mm	54-71	55-72	53-72
Exit pupil in mm	3.125	2.5	4.13
Field of view at 1000 m in m	116	95	124
Viewing angle in degrees (°)	6.6	5.4	7.2
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Multi Coating	Multi Coating	Phase Coating
Lens coating	FMC HDX	FMC HDX	FMC HDX
Raindefender	RNP coated	RNP coated	RNP coated
Housing material	Polycarbonate	Polycarbonate	Polycarbonate
Rubber coated	Rubber	Rubber	Rubber
Eye relief in mm	17	17	17
Close focusing from (in m)	4	5	3.5
Dioptr adjustment	right	right	right
Dioptr compensation	-3 to +3	-3 to +3	-3 to +3
Light intensity	9.77	6.25	17.01
Twilight factor	14.14	15.81	16.3
Nitrogen-filled	Yes	Yes	Yes
Waterproof	IP67	IP67	IP67
Dimensions H/W/D in mm	116 / 117 / 38	112 / 117 / 38	133 / 124 / 44
Accessories / Features			
Binocular bag	Softcase	Softcase	Softcase
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes
Strap	Neoprene black	Neoprene black	Neoprene black
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes
Item no.:	440120035	440120036	440120033
SRP in EUR	195.00 €	197.00 €	265.00 €



Properties	Kolibri 10x33	Kolibri 8x42	Kolibri 10x42
Weight in g	443	615	595
Magnification	10 x	8 x	10 x
Lens Ø in mm	33	42	42
Pupillary distance in mm	54-71	55-75	56-76
Exit pupil in mm	3.3	5.25	4.2
Field of view at 1000 m in m	106	126	106
Viewing angle in degrees (°)	6.1	7.2	7.2
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Phase Coating	Phase Coating	Phase Coating
Lens coating	FMC HDX	FMC HDX	FMC HDX
Raindefender	RNP coated	RNP coated	RNP coated
Housing material	Polycarbonate	Polycarbonate	Polycarbonate
Rubber coated	Rubber	Rubber	Rubber
Eye relief in mm	16	17	16
Close focusing from (in m)	3.5	2.5	2
Dioptr adjustment	right	right	right
Dioptr compensation	-3 to +3	-3 to +3	-3 to +3
Light intensity	10.89	27.56	17.64
Twilight factor	18.2	18.3	20.5
Nitrogen-filled	Yes	Yes	Yes
Waterproof	IP67	IP67	IP67
Dimensions H/W/D in mm	130 / 124 / 44	142 / 130 / 49	142 / 130 / 49
Accessories / Features			
Binocular bag	Softcase	DDoptics bag	DDoptics bag
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes
Strap	Neoprene black	Niggeloh neoprene black	Niggeloh neoprene black
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes
Item no.:	440120034	440120031	440120032
SRP in EUR	267.00 €	327.00 €	329.00 €



# TRAVEL, OUTDOOR, BIRD WATCHING

## TECHNICAL DATA



Properties	LUX-HR Pocket ED 8x25	LUX-HR Pocket ED 10x25
Weight in g	300	295
Magnification	8 x	10 x
Lens Ø in mm	25	25
Pupillary distance in mm	55-73	55-73
Exit pupil in mm	3.125	2.5
Field of view at 1000 m in m	114	110
Viewing angle in degrees (°)	6.3	6.25
Eyecups	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Dielectric 72s	Dielectric 72s
Lens coating	DDLucid	DDLucid
Raindefender	RNP coated	RNP coated
Housing material	Magnesium	Magnesium
Rubber coated	Rubber	Rubber
Eye relief in mm	14.5	13
Close focusing from (in m)	2	2
Dioptre adjustment	right	right
Dioptre compensation	-3 to +3	-3.5 to +3.5
Light intensity	9.77	6.25
Twilight factor	14.4	15.81
Nitrogen-filled	Yes	Yes
Waterproof	IP68	IP68
Dimensions H/W/D in mm	107 / 115 / 33	107 / 115 / 33
Accessories / Features		
Binocular bag	Bag	Bag
Cover (ocular)	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes
Strap	Neoprene black	Neoprene black
Cleaning cloth	Yes / yes	Yes / yes
Item no.:	440150010	440150011
SRP in EUR	247.00 €	249.00 €



# HIKING

## TECHNICAL DATA



Properties	ULTRAlight 8x26	ULTRAlight 10x26	ULTRAlight 8x34	ULTRAlight 10x34	ULTRAlight 8x42
Weight in g	269	253	434	401	597
Magnification	8 x	10 x	8 x	10 x	8 x
Lens Ø in mm	26	26	34	34	42
Pupillary distance in mm	54-70	55-71	56-76	55-73	57-75
Exit pupil in mm	3.25	2.6	4.25	3.4	5.25
Field of view at 1000 m in m	119	98	124	105	124
Viewing angle in degrees (°)	6.8	5.6	7.1	6.1	7.1
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Phase Coating	Phase Coating	Phase Coating	Phase Coating	Phase Coating
Lens coating	FMC H5	FMC H5	FMC H5	FMC HDX	FMC HDX
Raindefender	not RNP coated	not RNP coated	not RNP coated	not RNP coated	not RNP coated
Housing material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Rubber coated	Rubber	Rubber	Rubber	Rubber	Rubber
Eye relief in mm	17	16	17	16	17
Close focusing from (in m)	1.5	1.5	4	4	2
Dioptre adjustment	right	right	right	right	right
Dioptre compensation	-3 to +3	-3 to +3	-3 to +3	-3 to +3	-3 to +3
Light intensity	10.56	6.76	18.06	11.6	27.5
Twilight factor	14.42	16.12	16.5	18.4	18.3
Nitrogen-filled	Yes	Yes	Yes	Yes	Yes
Waterproof	IP65	IP65	IP65	IP65	IP65
Dimensions H/W/D in mm	116 / 115 / 35	112 / 115 / 38	130 / 126 / 45	128 / 126 / 45	145 / 128 / 52
Accessories / Features					
Binocular bag	Softcase	Softcase	Softcase	Softcase	Softcase
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Strap	Neoprene black	Neoprene black	Neoprene black	Neoprene black	Neoprene black
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Item no.:	440120020	440120021	440120001	440120002	440120003
SRP in EUR	109.00 €	119.00 €	147.00 €	149.00 €	197.00 €



Properties	ULTRAlight 10x42	ULTRAlight 8x50	ULTRAlight 10x50	ULTRAlight 12x50
Weight in g	572	751	762	739
Magnification	10 x	8 x	10 x	12 x
Lens Ø in mm	42	50	50	50
Pupillary distance in mm	60-78	58-76	58-75	55-78
Exit pupil in mm	4.2	6.2	5.8	4.17
Field of view at 1000 m in m	106	102	101	86
Viewing angle in degrees (°)	6.1	6	5.8	5
Eyecups	TwistUp metal	TwistUp metal	TwistUp metal	TwistUp metal
Prism type	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan	Schmidt-Pechan
Prism mirroring	Dielectric 52s	Dielectric 52s	Dielectric 52s	Dielectric 52s
Lens coating	FMC HDX	FMC H5	FMC H5	FMC H5
Raindefender	not RNP coated	not RNP coated	not RNP coated	not RNP coated
Housing material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Rubber coated	Rubber	Rubber	Rubber	Rubber
Eye relief in mm	16.1	17	17	16
Close focusing from (in m)	2	3	3	3
Dioptre adjustment	right	right	right	right
Dioptre compensation	-3 to +3	-3 to +3	-3 to +3	-3 to +3
Light intensity	17.6	39.06	25	17.36
Twilight factor	20.5	20	22.36	24.9
Nitrogen-filled	Yes	Yes	Yes	Yes
Waterproof	IP65	IP65	IP65	IP65
Dimensions H/W/D in mm	145 / 128 / 52	172 / 135 / 58	172 / 135 / 58	168 / 135 / 58
Accessories / Features				
Binocular bag	Softcase	Softcase	Softcase	Softcase
Cover (ocular)	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Cover (lens)	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Strap	Neoprene black	Neoprene black	Neoprene black	Neoprene black
Cleaning cloth	Yes / yes	Yes / yes	Yes / yes	Yes / yes
Item no.:	440120004	440120009	440120005	440120006
SRP in EUR	199.00 €	247.00 €	247.00 €	249.00 €



# MARINE

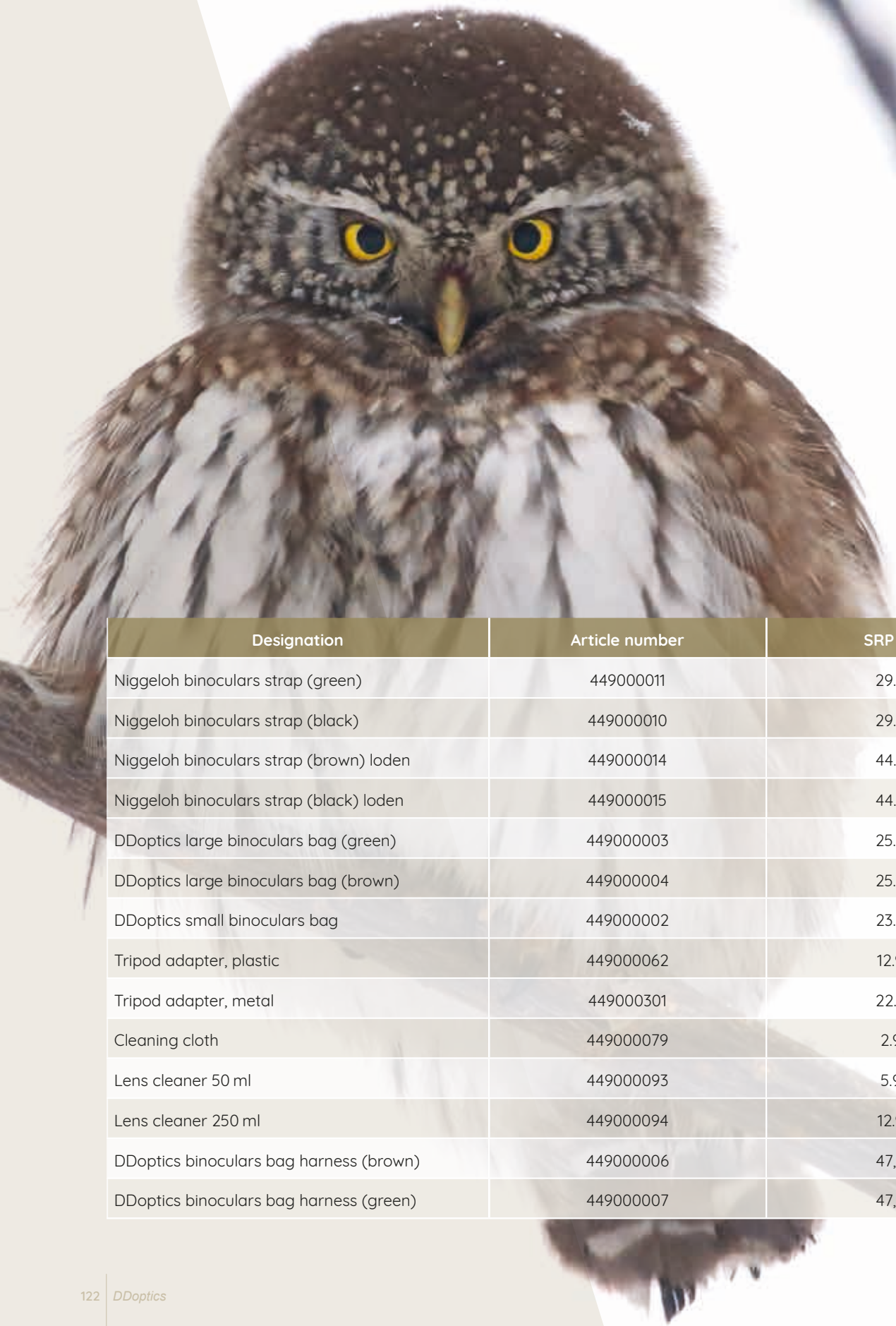
TECHNICAL DATA



Properties	Kaleu HDX 7x50
Weight in g	1050
Magnification	7 x
Lens Ø in mm	50
Pupillary distance in mm	56-72
Exit pupil in mm	7.1
Field of view at 1000 m in m	135
Viewing angle in degrees (°)	7.7
Eyecups	TwistUp metal
Prism type	Porro
Prism mirroring	-
Lens coating	FMC HDX
Raindefender	RNP coated
Housing material	Polycarbonate
Rubber coated	Rubber
Eye relief in mm	22
Close focusing from (in m)	3
Dioptre adjustment	right
Dioptre compensation	-5 to +5
Light intensity	51
Twilight factor	18.7
Nitrogen-filled	Yes
Waterproof	IP68 floats
Dimensions H/W/D in mm	200 / 170 / 80
Accessories / Features	
Binocular bag	Softcase
Cover (ocular)	Yes / yes
Cover (lens)	Yes / yes
Strap	able to swim
Cleaning cloth	Yes / yes
Item no.:	440140020
SRP in EUR	249.00 €



# ACCESSORIES



# DDOPTICS



## Legal notice

**DDOPTICS GERMANY**  
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08/2022

[www.ddoptics.de/impressum](http://www.ddoptics.de/impressum)

Designation	Article number	SRP (EUR)
Niggeloh binoculars strap (green)	449000011	29.00 €
Niggeloh binoculars strap (black)	449000010	29.00 €
Niggeloh binoculars strap (brown) loden	449000014	44.90 €
Niggeloh binoculars strap (black) loden	449000015	44.90 €
DDoptics large binoculars bag (green)	449000003	25.00 €
DDoptics large binoculars bag (brown)	449000004	25.00 €
DDoptics small binoculars bag	449000002	23.00 €
Tripod adapter, plastic	449000062	12.90 €
Tripod adapter, metal	449000301	22.90 €
Cleaning cloth	449000079	2.95 €
Lens cleaner 50 ml	449000093	5.95 €
Lens cleaner 250 ml	449000094	12.95 €
DDoptics binoculars bag harness (brown)	449000006	47,50 €
DDoptics binoculars bag harness (green)	449000007	47,50 €



# DDOptics

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For additional information about our products and the complete  
DDOptics range of products, please visit our website [www.ddoptics.de](http://www.ddoptics.de)



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