

PRODUCT PROGRAM 2023/24 // EN



K A H L E S

SINCE 1898



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We at KAHLES share the passion and professionalism of ambitious shooters and hunters.

We passionately support their aspiration to continually enhance performance. We do this with intuitive simple and smart products, which impress with uncompromised focus on the real essentials, based on profound user insight and a wealth of know-how.



SPORT

#teamKAHLES



K525i

PROFESSIONAL CHOICE FOR HIGHEST DEMANDS

The K525i combines maximum optical performance and precision with unique handling and ergonomics. A rugged riflescope for professionals, with windage optional left or right, precise illuminated reticles in 1st focal plane and the unique TWIST GUARD windage.



5-25x56i

PRODUCT HIGHLIGHTS

- ◆ Maximum optical performance – field of view, high contrast image, high definition
- ◆ Absolutely reliable repeat accuracy and precise, clearly defined click mechanism
- ◆ Optional left or right side windage
- ◆ Parallax wheel integrated into the elevation turret (patented) 20 m – ∞
- ◆ Innovative TWIST GUARD windage (patented)
- ◆ Precise illuminated reticles in 1st focal plane

FEATURES



1st focal plane



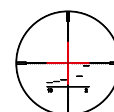
34 mm



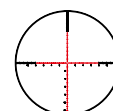
RETICLES



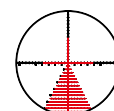
MSR2/Ki



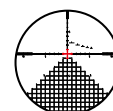
Mil4+



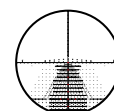
SKMR



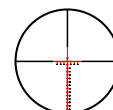
SKMR4



AMR



TREMOR3



MOAK



Parallax wheel integrated into the elevation turret (patented), windage optionally left or right.

Superior handling and ergonomics thanks to the unique arrangement of operating elements

Due to the unique arrangement, all operating elements can easily and comfortably be operated with the intuitively preferred hand. Without having to reach over the riflescope or having to move out of the shooting position, all relevant information is always in the visual field.

All riflescopes of the K-series have the parallax wheel integrated into the elevation turret. The patented central arrangement on top of the riflescope makes right and left-handed operation equally comfortable.

Ergonomically the windage is perfectly placed on the left side for right-handed shooters and on the right side for left-handed shooters.

Unique TWIST GUARD windage (patented)



TWIST GUARD windage.

The innovative TWIST GUARD windage with its freely rotating end cover, reliably preventing accidental movement of the windage. This simple solution not only protects the windage from accidental movement, it also allows the shooter fast and unhindered handling of the windage without the need for cumbersome "locking" and "unlocking".

Maximum precision with the special MOAK reticle and 1/4 MOA click adjustment



MOAK turret with three planes of rotation and indicator pin.

The 1/4 MOA click adjustment and a perfectly designed reticle in the 1st focal plane guarantee maximum precision over long distances. The specially designed MOAK turret has a 3rd rotational plane and allows simple, precise operation over the entire adjustment range.



K525i DLR COMPETING ON TOP LEVEL

The K525i combines maximum optical performance and precision with unique handling and ergonomics. The **DLR** variant is optimized for the fast action nature of **Dynamic Long Range** competitions. It features extended field of view, easy to read clicks, extra long throw lever and parallax spinner.

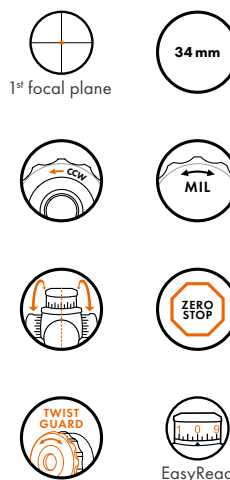


5-25x56i

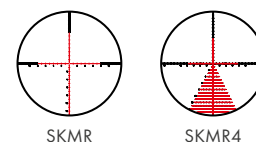
PRODUCT HIGHLIGHTS

- ◆ Maximum optical performance with extra wide field of view
- ◆ 100 clicks per rotation – absolutely reliable repeat accuracy and clearly defined clicks
- ◆ Extra large turret lettering for easy and fast reading
- ◆ Optional left or right TWIST GUARD windage
- ◆ Special equipment: extra long throw lever & parallax spinner for quick adjustments
- ◆ Precise illuminated SKMR and SKMR4 reticles in 1st focal plane

FEATURES



RETICLES





K318i

ULTRASHORT PRECISION TOOL

The K318i means optical and mechanical perfection packed into an ultrashort design. With precise illuminated reticles in 1st focal plane, sharply defined throughout the entire magnification range and the unique TWIST GUARD windage.



3.5-18x50i

FEATURES



1st focal plane



34 mm



MOA
MIL

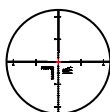


ZERO
STOP

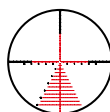


TWIST
GUARD

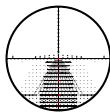
RETICLES



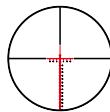
MSR/Ki



SKMR3



TREMOR3



MOAK

PRODUCT HIGHLIGHTS

- ◆ Ultrashort and lightweight riflescope with wide field of view and high contrast image
- ◆ Absolutely reliable repeat accuracy and precise, clearly defined click mechanism
- ◆ Optional left or right side windage
- ◆ Innovative TWIST GUARD windage (patented)
- ◆ Parallax wheel integrated into the elevation turret (patented) 25 m – ∞
- ◆ Precise illuminated reticles in 1st focal plane



6-24x56i

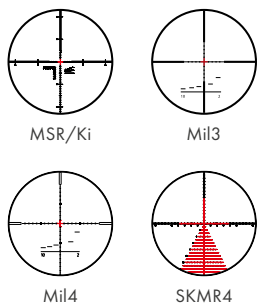
K624i PROFESSIONAL CHOICE FOR LONG DISTANCES

The K624i sets standards in handling and ergonomics thanks to the unique arrangement of its operating elements. It offers outstanding optical performance, mechanical perfection and a unique range of well proven reticles for professionals.

FEATURES



RETICLES



PRODUCT HIGHLIGHTS

- ◆ Wide field of view, exceptionally comfortable eyepiece and high contrast image
- ◆ Precise, clearly defined click mechanism and reliable repeat accuracy
- ◆ Optional left or right side windage
- ◆ Parallax wheel integrated into the elevation turret (patented) 50 m – ∞
- ◆ Precise illuminated reticles in 1st focal plane



3-12x50i

K312i TACTICAL TOOL FOR PROFESSIONALS

The K312i sets standards in handling and ergonomics thanks to the KAHLES exclusive arrangement of its operating elements. It provides outstanding optical performance, a well proven magnification range and practical reticle.

FEATURES



1st focal plane



34 mm



CW

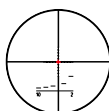


MIL



ZERO
STOP

RETICLES



Mil7

PRODUCT HIGHLIGHTS

- ◆ Professional riflescope with excellent optical performance and perfect click mechanism
- ◆ Left side windage
- ◆ Parallax wheel integrated into the elevation turret (patented) 25 m – ∞
- ◆ Precise illuminated reticle in 1st focal plane



10-50x56

K1050 COMPETITION SHOOTING WITH EXTREME MAGNIFICATION

The K1050 has been specifically designed to provide optimum precision for competition shooting. Weighing just 890 g and only 429 mm long, with its unique parallax adjustment, starting from just 8 metres, it provides unparalleled precision.

FEATURES



2nd focal plane



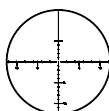
30 mm



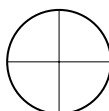
MOA



RETICLES



MOAK



Crosshair Dot

PRODUCT HIGHLIGHTS

- ◆ Maximum precision for competition shooting
- ◆ Perfect image quality, even at 50 x magnification
- ◆ Parallax wheel integrated into the elevation turret (patented) 8 m – ∞
- ◆ Non-illuminated reticles with fine structure for maximum precision



10-50x56i

K1050i FT FIELD TARGET FOR PERFECTIONISTS

The K1050i FT offers a uniquely precise experience. With the special parallax focus ranging from 8 to 60 metres and an illuminated reticle in the 2nd focal plane, it has been optimally designed for field target competitions.

FEATURES



2nd focal plane



30 mm



MOA



RETICLES



MHR

PRODUCT HIGHLIGHTS

- ◆ Developed together with professionals for highest precision in field target competitions
- ◆ Perfect image quality, even at 50 x magnification
- ◆ Parallax wheel integrated into the elevation turret (patented) 8 – 60 m
- ◆ Illuminated reticle with fine structure for maximum precision



K18i

THE MATCH WINNER

Optimized for IPSC and 3-Gun matches, the K18i with 8 x zoom features an ultra-wide field of view, specially designed, extra-bright illuminated reticles with unique MAX LIGHT function and an individually adjustable throw lever.

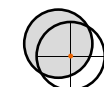


1-8x24i

PRODUCT HIGHLIGHTS

- ◆ Optimized for IPSC and 3-Gun matches
- ◆ Ultra-wide field of view, 8 x zoom and true 1 x magnification
- ◆ Integrated throw levers in 2 alternative sizes with infinitely adjustable positions
- ◆ Extra-bright day/night illumination in 2nd focal plane with MAX LIGHT function for extreme backlight situations
- ◆ Special reticles for IPSC and 3-Gun, designed with the support of recognized pro-shooters

FEATURES



2nd focal plane



30 mm



CW



MIL



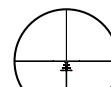
MAX
LIGHT

OPTIONAL

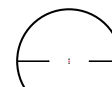


Ballistic Turret

RETICLES



3GR



IPSC



OFFICIAL PARTNER





1-6x24i

K16i

FAST TARGET ACQUISITION IN TOUGHEST ENVIRONMENTS

The K16i is ideal for acquiring targets within a very short time thanks to its ultra-wide field of view. Shooters benefit from the extra-high nose and the large, easy to use adjustment ring.

FEATURES



2nd focal plane



30 mm



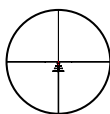
MIL

OPTIONAL

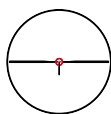


Ballistic Turret

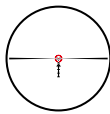
RETICLES



3GR



SM1



SI1



OFFICIAL PARTNER

PRODUCT HIGHLIGHTS

- ◆ Sporty riflescope with ultra-wide field of view for fast target acquisition
- ◆ Developed for even the toughest demands
- ◆ Extra bright illuminated reticles in the second focal plane
- ◆ 3GR reticle for IPSC and 3-Gun



4x30i

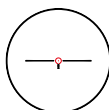
K4i FAST TARGET ACQUISITION WITH 4 x MAGNIFICATION

The K4i has been designed for the toughest demands and is optimised for fast target acquisition and a maximum overview at short to medium distances.

FEATURES



RETICLES



Circle Dot

PRODUCT HIGHLIGHTS

- ◆ 4 x optics with extra large exit pupil, 91 % light transmission and diopter compensation
- ◆ Durable prism design with illuminated reticle, continuously adjustable
- ◆ Precise click adjustment 1.5 cm/100 m
- ◆ Ergonomic design and rugged construction
- ◆ Three integrated Picatinny (MIL STD 1913) rails for attaching accessories
- ◆ Includes integrated Picatinny mounting



HUNT

kahles.at



HELIA 1-5x24i

IDEAL FOR DRIVEN HUNT

The HELIA series impresses with uncompromising focus on the real essentials: functionality, reliability, handling and aesthetics. The perfect tool for hunting.



1-5x24i

PRODUCT HIGHLIGHTS

- ◆ Real compact driven hunt optics with an ultra-wide field of view reaching 42 m/100 m
- ◆ Powerful optics system with exceptional edge sharpness
- ◆ True 1 x magnification for irritation-free viewing with both eyes
- ◆ Extra-bright day/night illuminated reticle with intelligent automatic switch-off

FEATURES



2nd focal plane

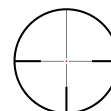


30 mm



Automaticlight

RETICLES



4-DH

OPTIONAL



SR-Rail



Ballistic Turret



HELIA 1.6-8x42i FOR ACTIVE HUNTING

The HELIA series impresses with uncompromising focus on the real essentials: functionality, reliability, handling and aesthetics. The perfect tool for hunting.



1.6-8x42i

PRODUCT HIGHLIGHTS

- ◆ Light and compact optics for stalking and driven hunts
- ◆ Ideal for night hunting in combination with night vision devices (clip-ons)
- ◆ Wide field of view (up to 25 m/100 m) with up to 8 x magnification
- ◆ Powerful optics system with exceptional edge sharpness
- ◆ Extra-bright day/night illuminated reticle with intelligent automatic switch-off

FEATURES



2nd focal plane



30 mm



Automaticlight

OPTIONAL

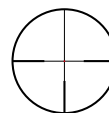


SR-Rail



Ballistic Turret

RETICLES



4-Dot



2-10x50i

HELIA 2-10x50i

THE PERFECT ALL-ROUNDER

The HELIA series impresses with uncompromising focus on the real essentials: functionality, reliability, handling and aesthetics. The perfect tool for hunting.

PRODUCT HIGHLIGHTS

- ◆ Perfect all-rounder with large, high-contrast field of view and excellent performance during dawn and dusk
- ◆ Ideal for night hunting in combination with night vision devices (clip-ons)
- ◆ Powerful optics system with exceptional edge sharpness
- ◆ Day/night illuminated reticle with intelligent automatic switch-off

FEATURES



2nd focal plane

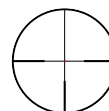


30 mm



Automaticlight

RETICLES



4-Dot

OPTIONAL



SR-Rail*



Ballistic Turret



2.4-12x56i

HELIA 2.4-12x56i TOP-CLASS FOR HIDE/STAND HUNTING

The HELIA series impresses with uncompromising focus on the real essentials: functionality, reliability, handling and aesthetics. The perfect tool for hunting.

PRODUCT HIGHLIGHTS

- ◆ Ideal for hide/stand hunting with exceptionally high light transmission, whether dawn, dusk or night
- ◆ Perfect image with best contrast and wide, brilliant field of view
- ◆ Powerful optics system with exceptional edge sharpness
- ◆ Day/night illuminated reticles with intelligent automatic switch-off

FEATURES



2nd focal plane

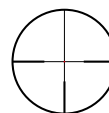


30 mm

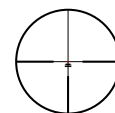


Automaticlight

RETICLES



4-Dot



G4B

OPTIONAL



SR-Rail



Ballistic Turret



HELIA 3.5-18x50i HUNTING WITH HIGH MAGNIFICATION

The HELIA series impresses with uncompromising focus on the real essentials: functionality, reliability, handling and aesthetics. The perfect tool for hunting.



3.5-18x50i

PRODUCT HIGHLIGHTS

- ◆ Hunting optics with up to 18-time magnification
- ◆ Parallax adjustment shapely combined with the illumination unit
- ◆ Powerful optic system with exceptional edge to edge clarity
- ◆ Day/night illuminated reticles with intelligent automatic switch-off

FEATURES



2nd focal plane

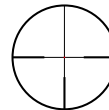


30 mm

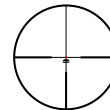


Automaticlight

RETICLES



4-Dot



G4B

OPTIONAL



Ballistic Turret



HELIA 3 4-12x44i FOR STALKING AND MOUNTAINS

The HELIA 3 series combines classic elegance with high-quality technology and superb, premium optics. Existing attachments for 1-inch main tubes can still be used in most cases.

PRODUCT HIGHLIGHTS

- ◆ Brilliant optics for stalking and hunting in the mountains
- ◆ Classic slim design with 1-inch main tube Ø (25.4 mm)
- ◆ Aluminium main tube anodised in black matt-finish with scratch-resistant surface
- ◆ Day/night illuminated reticles with intelligent automatic switch-off
- ◆ 12 x magnification, weighting just 485 g



4-12x44i

FEATURES



2nd focal plane



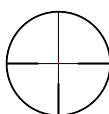
Automaticlight

OPTIONAL

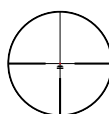


Ballistic Turret

RETICLES



4-Dot



G4B



HELIA 3 3-10x50i CLASSIC ALL-ROUNDER

The HELIA 3 series combines classic elegance with high-quality technology and superb, premium optics. Existing attachments for 1-inch main tubes can still be used in most cases.

PRODUCT HIGHLIGHTS

- ◆ Classic all-rounder with high light transmission
- ◆ Classic slim design with 1-inch main tube Ø (25.4 mm)
- ◆ Aluminium main tube anodised in matt black with scratch-resistant surface
- ◆ Day/night illuminated reticle with intelligent automatic switch-off



3-10x50i

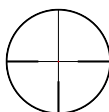
FEATURES



2nd focal plane



RETICLES



4-Dot



Automaticlight

OPTIONAL



Ballistic Turret



KAHLES BALLISTIC TURRET

Practical assistant
for long-range shots



Ballistic Turret
(optional)

Calculate the distance – set – let's go!

The new HELIA BT and K16i/K18i BT ballistic turrets take the guesswork out of aiming at different shooting distances. They impress with user-friendly operation and individual adjustment to the ballistics.

KAHLES ballistics turrets are available only for KAHLES riflescopes HELIA, HELIA 3, K16i and K18i.



KAHLES ballistics turrets can be mounted by the user in a few simple steps. The clearly identifiable stickers supplied provide the option of adding 100 % precise markings for individual ballistics, which can be changed quickly and easily if required.





HELIA RD-C

ROBUST RED DOT SIGHT FOR DRIVEN HUNT

The HELIA RD-C has been designed for the safe shot, even under toughest conditions. Reliable in every detail.



HELIA RD-C

PRODUCT HIGHLIGHTS

- ◆ Anti-Reflexion coating for clear visibility
- ◆ Precise 2 MOA dot for minimum target covering
- ◆ 4 manual illumination settings with intelligent automatic switch-off and MAX LIGHT function for extreme backlight situations
- ◆ SAFE LIGHT function to secure the red dot
- ◆ Picatinny mount with quick release and screw locking included
- ◆ Flip up covers included

FEATURES





HELIA RD

RED DOT SIGHT

FOR DRIVEN HUNT

The HELIA RD has been designed for the intuitive shot. It features an unique Anti-Reflexion coating for clear visibility and a precise 2 MOA dot for minimum target covering.

PRODUCT HIGHLIGHTS

- ◆ Unique Anti-Reflexion coating for clear visibility
- ◆ Precise 2 MOA dot and Easyclick
- ◆ Picatinny mount or adapter plate for most popular European mounts included
- ◆ 4 manual illumination settings with intelligent automatic switch-off
- ◆ Easy to change battery



HELIA RD

FEATURES



Automaticlight

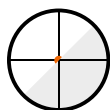


Protective cap with compartment for spare battery



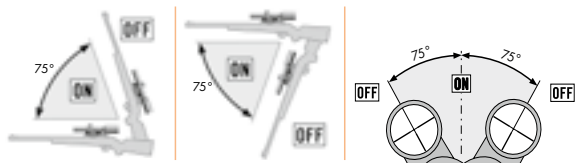
AUTOMATIC-LIGHT

The intelligent reticle illumination for longer battery life



Automaticlight

All illuminated hunting riflescopes are equipped with a tilt sensor. This detects whether or not the riflescope is in a shooting position. The sensor transmits this information immediately to the illumination unit and controls thereby its switching on and off, in order to save valuable energy when not in use.



Active mode

- ◆ The switched on reticle illumination with automaticlight is always active in the angular range of 75° (right/left).

Standby mode

- ◆ After being motionless for 2 minutes in active mode, the backlight turns off and enters "Standby" mode. For reactivation from the "Standby" mode the smallest movement is sufficient and the reticle illumination is activated in fractions of a second with the last selected brightness.
- ◆ Angles ranging from 45° – 75° (up/down) trigger the "Standby" mode, regardless if motion is sensed or not after 2 minutes.
- ◆ From an angle range of more than 75° (up/down/side), the reticle illumination switches off immediately and switches to "Standby" mode.

After 2 hours of inactivity, the lighting switches off completely. To reactivate the lighting unit, the rotary switch must be switched off and on again.

HELIA RD-C and HELIA RD

The HELIA RD-C/RD is equipped with a motion sensor. After being motionless for 3 minutes, the red dot turns off and enters "Standby" mode. In the "Standby" mode, the smallest movement is sufficient to re-activate the red dot in fractions of a second with the last selected brightness level. After 4 hours of inactivity, the red dot switches off completely.



HELIA TI+ RADICALLY EASY DETECTING

In every detail, HELIA TI+ thermal imaging devices are radically optimised for hunting. They combine intuitive, user-friendly handling with excellent imaging performance and an exceptionally large field of view. Not a button too many and none in the wrong place. Uncompromising simple and fast detection day and night.

PRODUCT HIGHLIGHTS

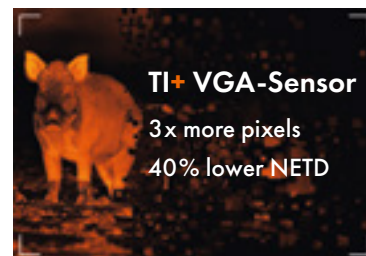
- ◆ Radically simple and intuitive – with only 2 control buttons
- ◆ High-contrast image with unsurpassed detail recognition
- ◆ Exceptionally large field of view of up to 44 m/100 m
- ◆ Intelligent automatic switch-on/-off display with tilt and motion sensor
- ◆ Ready to use in just a few seconds
- ◆ Drop-proof, waterproof and ready for use in extreme temperatures
- ◆ Long battery life – even at –20 degrees Celsius
- ◆ Ergonomic, roll-proof design and perfectly placed controls



NEW

TI 18+ | TI 35+

With the latest generation of high-resolution 12µm VGA sensors – for a high-contrast image with unsurpassed detail recognition.



TI+ VGA-Sensor

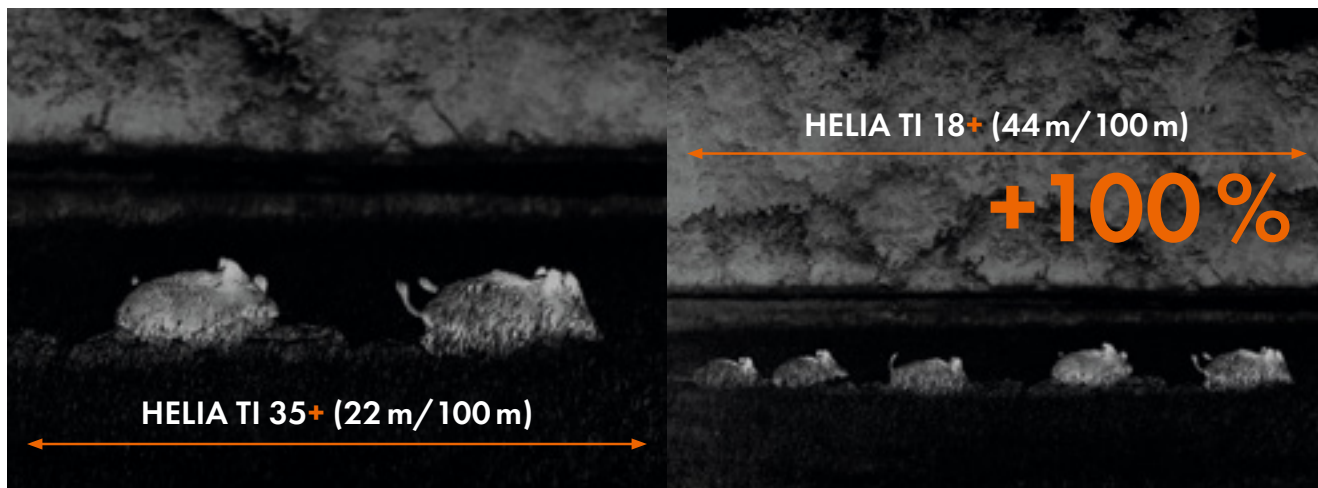
3x more pixels

40% lower NETD

in comparison with standard QVGA sensors



TI 18+ Fast detection with an exceptionally large field of view of 44 m/100 m.



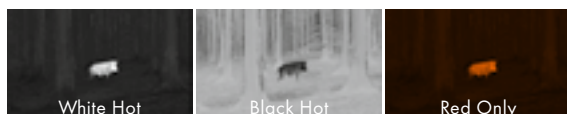
TI 35+ Reliable identification with outstanding detail recognition and 2x to 16x magnification.

AUTOMATICLIGHT

The intelligent display uses a tilt and motion sensor to automatically switch itself on and off, known as "Automaticlight", which avoids any distracting light output from the display and allows immediate reactivation without having to press a button.

This function also contributes to efficient energy management for the devices, allowing a very long battery life of up to 8 hours.

3 COLOUR MODES





FAST DETECTION
WITH A
LARGE FIELD OF VIEW

NEW



HELIA TI 18+
640 x 512; 12µm
NETD <20

Optical magnification (min/max)	1.0/8.0
Field of view (m/100 m)	44



HELIA TI 25
384 x 288; 17µm
NETD <35

Optical magnification (min/max)	1.7/6.8
Field of view (m/100 m)	26

RELIABLE IDENTIFICATION
WITH HIGH DETAIL
RESOLUTION

NEW



HELIA TI 35+
640 x 512; 12µm
NETD <20

Optical magnification (min/max)	2.0/16.0
Field of view (m/100 m)	22



HELIA TI 35
384 x 288; 17µm
NETD <35

Optical magnification (min/max)	2.3/9.2
Field of view (m/100 m)	19



HELIA 42 RF

COMFORTABLY EASY AND RELIABLE

The lightweight and ergonomic HELIA 42 RF perfectly combines brilliant optics with reliable targeting up to 1,500 m on common hunting targets (deer, tree). It stands out for intuitive simple handling and useful hunting features like patented EAC (Enhanced Angle Compensation) and scan mode.

PRODUCT HIGHLIGHTS

- ◆ Easy and reliable targeting up to 1,500 m on common hunting targets
- ◆ Intuitive simple menu navigation
- ◆ Patented EAC-function (Enhanced Angle Compensation) for angle correction
- ◆ Long-range (LR) function for ranging easy to detect targets up to 4,500 m
- ◆ Premium-quality OLED display with five manual brightness settings and display in meter or yards
- ◆ Scan mode, temperature and air pressure display
- ◆ Extra long battery lifetime ~ 4,000 measurements

BINOCULARS WITH
RANGEFINDER



8x42, 10x42



HELIA S 42

THE PERFECT ALL-ROUNDER

The HELIA S 42 impresses with uncompromising focus on the real essentials: functionality, reliability, handling and aesthetics. The perfect all-rounder for hunting.

PRODUCT HIGHLIGHTS

- ◆ Powerful high contrast optics system with exceptional edge sharpness
- ◆ Wide field of view of up to 136 m
- ◆ Light and ergonomic – for high observation comfort even during long periods of use
- ◆ Durable and resilient with a robust magnesium housing
- ◆ High quality comfort strap with an innovative quick release fastener

8x42, 10x42





8x42; 10x42

HELIA 42

IDEAL FOR STALKING AND HUNTING IN THE MOUNTAINS

The natural colours, the lightweight, balanced design with the open bridge and the unique, silent protective cover made of high-quality loden cloth are perfectly suited for inconspicuous carrying and observing on the hunting ground.



8x56

HELIA 56

MADE FOR THE NIGHT

The light sensitive HELIA 8x56 is perfectly right for the night. It persuades with a brilliant optic. Its pronounced individuality is underlined by the ergonomic design, the natural colour and the Waldkauz® leather strap with its well matching colours.



HELIA RF-M FAST DISTANCE MEASURING

The compact HELIA RF-M 7x25 offers ergonomic design, intuitive and simple handling and is equipped with a large field of view and relevant hunting features. You are able to measure the distance simple and fast and you can concentrate, during the hunt, on the real essentials.

PRODUCT HIGHLIGHTS

- ◆ Easy and reliable targeting up to 2,000 m
- ◆ Ergonomical design, intuitive handling, simple menu navigation
- ◆ Exceptional edge to edge clarity and large field of view of 117 m/1,000 m
- ◆ Premium-quality OLED display with five manual brightness settings and display in meter or yards
- ◆ EAC-function (Enhanced Angle Compensation) for angle correction (patented)
- ◆ Scan mode, temperature- and air pressure measurement
- ◆ Extra long battery lifetime ~ 4,000 measurements









7x25



RANGEFINDER



ACCESSORIES

	 Killflash	 Sunshield	 Flip-Up Cover For eyepiece and objective lens	 Ballistic Turret	 Bubble Level	 Throw Lever	 Parallax Spinner	 Parallax wheel attachment
K525i/K525i DLR	◆	◆	◆		◆	◆	◆	
K318i	◆	◆	◆		◆	◆	◆	
K624i	◆	◆	◆		◆		◆	
K312i	◆	◆	◆		◆			
K1050	◆	◆	◆				◆ (MOAK)	◆ (Crosshair Dot)
K1050i FT	◆	◆	◆					
K18i/K16i	◆		◆	◆				
K4i		◆						
HELIA 1-5x24i	◆		◆	◆		◆		
HELIA 1.6-8x42i			◆	◆		◆		
HELIA 2-10x50i	◆	◆	◆	◆		◆		
HELIA 2.4-12x56i	◆	◆	◆	◆		◆		
HELIA 3.5-18x50i	◆	◆	◆	◆		◆		
HELIA 3 4-12x44i				◆				
HELIA 3 3-10x50i	◆	◆	◆	◆				

TABLES
SPORT

Riflescopes	K1050	K1050i FT	K525i DLR	K525i	K624i	K318i	K312i	K18i	K16i	K4i
Magnification	10-50	10-50	5-25	5-25	6-24	3.5-18	3-12	1-8	1-6	4
Objective lens diameter (mm)	56	56	56	56	56	50	50	24	24	30
Exit pupil diameter (mm)	5.5-1.1	5.5-1.1	9.5-2.3	9.5-2.3	9.4-2.3	6.9-2.8	9.7-4.2	8.1-3.0	9.6-4.7	7.5
Eye relief (mm)	95	95	95	95	90	92	90	95	95	95
Field of view (m/100 m)	2.9-0.6	2.9-0.6	7.7-1.6	7.1-1.5	6.8-1.7	9.3-2.0	11.1-3.3	42.5-5.3	42.3-6.7	9.1
Diopter compensation (dpt)	+2/-3.5	+2/-3.5	+2/-3.5	+2/-3.5	+2/-3.5	+2.5/-3.5	+2/-3.5	+2/-3	+2/-3.5	+2/-3.5
Twilight factor (DIN 58388)	23.6-52.9	23.6-52.9	16.7-37.4	16.7-37.4	18.3-36.7	13.2-30.0	10.4-24.5	2.9-13.9	3.1-12.0	11.0
Parallax adjustment (m)	8 till ∞	8 till 60	20 till ∞	20 till ∞	50 till ∞	25 till ∞	25 till ∞	100	100	100
Impact correction per click	1/8 MOA	1/8 MOA	.1 MRAD	.1 MRAD 1/4 MOA	.1 MRAD	.1 MRAD 1/4 MOA	.1 MRAD	.1 MRAD	.1 MRAD	.15 MRAD
Adjustment range E/W (m/100 m)	1.6/1.2	1.6/1.2	2.9/1.3	2.9/1.3	2.5/1.1	3.0/1.5	2.5/1.2	2.4/2.4	2.2/2.2	2.0/2.0
Tube diameter (mm)	30	30	34	34	34	34	34	30	30	
Objective filter thread	M58x0.75	M58x0.75	M58x0.75	M58x0.75	M58x0.75	M52x0.75	M52x0.75	M27x0.75	M27x0.75	M33x0.75
Length (mm)	429	429	377	377	405	313	376	300	278	177
Weight (g)	890	1040*	995**	970	950	940	836	555	480	680
Focal plane	2.	2.	1.	1.	1.	1.	1.	2.	2.	
Reticle	MOAK, Cross- hair Dot	MHR	SKMR, SKMR4	MSR2/Ki, Mil4+, SKMR, SKMR4, AMR, TREMOR3, MOAK	MSR/Ki, Mil3, Mil4, SKMR4	MSR/Ki, SKMR3, TREMOR3, MOAK	Mil7	3GR, IPSC	3GR, SM1, S11	Circle Dot
Illumination		✓	✓	✓	✓	✓	✓	✓	✓	✓
Adjustment direction	CCW	CCW	CCW	CW/CCW	CW/CCW	CW/CCW	CW	CW	CW	CCW
Windage	right	right	right/ left	right/ left	right/ left	right/ left	left			
Zero Stop			✓	✓	✓	✓	✓			
TWIST GUARD			✓	✓		✓				
MAX LIGHT								✓		

* inclusive parallax wheel (140 g) ** inclusive Parallax Spinner, Throw Lever

TABLES
HUNT

Riflescopes/Red Dots

	HELIA 1-5x24i	HELIA 1.6-8x42i	HELIA 2-10x50i	HELIA 2.4-12x56i	HELIA 3.5-18x50i	HELIA 3 4-12x44i	HELIA 3 3-10x50i	HELIA RD-C	HELIA RD
Magnification	1-5	1.6-8	2-10	2.4-12	3.5-18	4-12	3-10	1	1
Objective lens diameter (mm)	24	42	50	56	50	44	50		
Window size (mm)								20	26x22
Eye relief (mm)	95	95	95	95	95	90	90		
Field of view (m/100 m)	42.4-8.1	25.3-5.1	21.0-4.1	16.5-3.3	12.2-2.2	9.2-3.3	11.2-4.0		
Diopter compensation (dpt)	+2/-3.5	+2/-3.5	+2/-3.5	+2/-3.5	+2/-3.5	+2/-3.5	+2/-3.5		
Twilight factor (DIN 58388)	3.0-11.0	5.2-18.3	6.2-22.4	7.4-25.9	10.5-30.0	13.3-23.0	12.0-22.4		
Parallax adjustment (m)					50 till ∞				
Parallax free	100	100	100	100		100	100	40	40
Impact correction per click	10mm/100m	10mm/100m	10mm/100m	10mm/100m	10mm/100m	10mm/100m	10mm/100m	7mm/50m	15mm/50m
Adjustment range E/W (m/100 m)	2.5/2.5	1.5/1.5	1.6/1.6	1.9/1.9	1.95/1.95	1.1/1.1	1.3/1.3	2.6/2.6	4.0/2.5
Tube diameter (mm)	30	30	30	30	30	25.4	25.4		
Objective filter thread	M27x0.75	M44x0.75	M52x0.75	M58x0.75	M52 x 0.75	M46x0.75	M52x0.75		
Length (mm)	278	323	341	359	383	351	325	68	55
Weight (g)	475	538	585	680	660	485	508	125	42
Weight including SR-rail (g)	499	562		704					
Focal plane	2.	2.	2.	2.	2.	2.	2.		
Reticle	4-DH	4-Dot	4-Dot	4-Dot, G4B	4-Dot, G4B	4-Dot, G4B	4-Dot		
Dot size								2 MOA	2 MOA
Illumination	✓	✓	✓	✓	✓	✓	✓		
Setting illumination intensity (manually)	stepless	stepless	stepless	stepless	stepless	stepless	stepless	4 steps	4 steps
Automaticlight	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAX LIGHT								✓	
SAFE LIGHT								✓	
Ballistic Turret (optional)	✓	✓	✓	✓	✓	✓	✓		
SR-rail (optional)	✓	✓	✓*	✓					

* available from June 2023

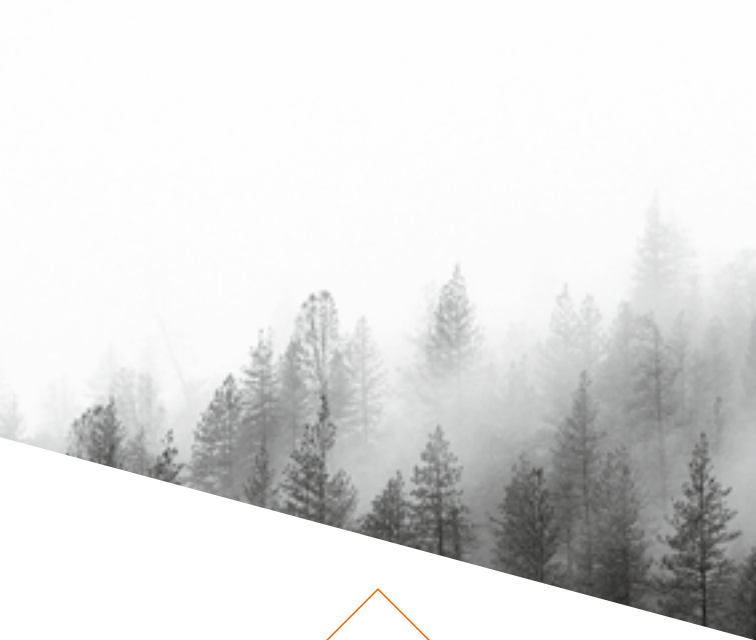
TABLES
HUNT

Rangefinder/ Binoculars	HELIA RF-M 7x25	HELIA RF 8x42	HELIA RF 10x42	HELIA S 8x42	HELIA S 10x42	HELIA 8x42	HELIA 10x42	HELIA 8x56
Magnification	7	8	10	8	10	8	10	8
Objective lens diameter (mm)	25	42	42	42	42	42	42	56
Eye relief (mm)	15	18	16	18.5	15.8	20	20	18
Field of view (m/1,000 m)	117	122	107	136	110	126	114	122
Field of view (°)	6.7	7.0	6.1	7.8	6.3	7.2	6.5	7.0
Field of view apparent (°)	46	56	61	61	61	54	54	52
Exit pupil diameter (mm)	3.6	5.3	4.2	5.3	4.2	5.3	4.2	7.0
Diopter compensation (dpt)	+/-4	+/-4	+/-4	+/-4	+/-4	+/-4	+/-4	+/-3
Interpupillary distance (mm)	–	58-73	58-73	56-74	56-74	56-73	56-73	56-76
Height x Width x Depth (mm)	78 x 37 x 102	145 x 132 x 73	145 x 132 x 73	149 x 120 x 63	144 x 120 x 63	150 x 127 x 51	150 x 127 x 51	211 x 156 x 66
Weight (g)	214	900	900	815	785	750	770	1,246
Close focus (m)	10	5	5	3.2	3.2	2	2	4
Twilight factor (ISO 14132-1)	13.2	18.3	20.5	18.3	20.5	18.3	20.5	21.2
Measurement range (m)	10-2,000	5-1,500	5-1,500					
Range-finding accuracy (m)	+/-1 up to 100 +/-2 up to 1,000 +/-0.5% over 1,000	+/-1 up to 100 +/-2 up to 1,000 +/-0.5% over 1,000	+/-1 up to 100 +/-2 up to 1,000 +/-0.5% over 1,000					
Measurement duration (s)	1	1	1					
Measure range – LR function (m)		up to 4,500	up to 4,500					
Brightness levels	5	5	5					
Displaytype	OLED	OLED	OLED					
Laser category	1M	1M	1M					

TABLES
HUNT

Thermal imaging
devices

	HELIA TI 18+	HELIA TI 35+	HELIA TI 25	HELIA TI 35
Objective lens	17.5 mm, F1.0	35 mm, F1.0	25 mm, F1.0	35 mm, F1.0
Sensor resolution (pixels)	640 x 512; 12µm	640 x 512; 12µm	384 x 288; 17µm	384 x 288; 17µm
Sensor type	Vanadium oxide uncooled focal plane arrays	Vanadium oxide uncooled focal plane arrays	Vanadium oxide uncooled focal plane arrays	Vanadium oxide uncooled focal plane arrays
Thermal sensitivity – NETD (mK)	<20	<20	<35	<35
Display resolution (pixels)	1,024 x 768	1,024 x 768	1,024 x 768	1,024 x 768
Display frame rate (Hz)	50	50	50	50
Display type	OLED	OLED	OLED	OLED
Field of view (°)	25.0 x 20.0	12.5 x 10.0	14.9 x 11.2	10.7 x 8.0
Field of view (m/100 m)	44	22	26	19
Field of view (ft/100 yds)	132	66	78	56
Field of view apparent (°)	25.0 x 18.7	25.0 x 18.7	25.0 x 18.7	25.0 x 18.7
Optical magnification	1.0	2.0	1.7	2.3
Digital zoom	1x, 2x, 4x, 8x	1x, 2x, 4x, 8x	1x, 2x, 4x	1x, 2x, 4x
Battery type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Battery life	up to 6 h	up to 6 h	up to 8 h	up to 8 h
Operating temperature (°C)	–20/+50	–20/+50	–20/+50	–20/+50
Length x Width x Height (mm)	198 x 68 x 63	198 x 68 x 63	198 x 68 x 63	198 x 68 x 63
Weight (g)	430	430	430	430
Waterproof	✓	✓	✓	✓
Focus	Manual	Manual	Manual	Manual
Diopter compensation (dpt)	+4/–4	+4/–4	+4/–4	+4/–4
Automatic display switch on-/–off	✓	✓	✓	✓
Colour modes	White Hot, Black Hot, Red Only	White Hot, Black Hot, Red Only	White Hot, Black Hot, Red Only	White Hot, Black Hot, Red Only



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