

Press release

Guntramsdorf, December 2017



NEW KAHLES Helia rangefinder

Helia binoculars with high-performance optics and latest rangefinder technology



With the new Helia rangefinder, KAHLES for the first time presents high-performance binoculars with rangefinder technology to the market. Reliable targeting up to 1500 meters, the intuitive simple operation and menu navigation, the new EAC-function (enhanced angle compensation), the lightweight and ergonomic design plus the silent accessories from Waldkauz make the ultimate package for a successful hunt.

Beside single distance measurements, the ultra-quick scan mode enables for continuous measurements on moving targets. To land more precise hits in angled shots, the more accurate EAC-function – an enhancement of the classic Rifleman's Rule – calculates the angle compensated distance which can be displayed alongside the standard distance measurement. While the Rifleman's Rule merely calculates the purely mathematical equivalent horizontal range, the EAC function provides a more ballistically relevant basis.

The premium-quality OLED display has five brightness levels that can easily be adjusted manually without having to delve into the menu. This makes it possible to easily adjust the display to suit the ambient light conditions in an exceptionally fast, focused way (and prevents the setting from being changed unintentionally/automatically). The type of lens used in the Helia rangefinder binoculars creates bright pictures with exceptionally sharp details and natural contrast.

The ergonomic arrangement of the function buttons and the slight pressure point of the rangefinder function ensure that simultaneous observing and measuring complement one another perfectly. The rubber reinforcement and the various different controls have been designed with practicality in mind and have a pleasant, non-slip surface. Together with the robust, waterproof aluminium housing, they provide optimum protection against the very harshest conditions.

Josef Kampfner,
Head of Public Relations

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In line with the existing Helia binocular line-up, the new Helia rangefinders are available in two practical magnification factors (8x42/10x42). The recommended retail price for each will be €1500 and they will be available from specialist dealers from January 2018.

PRODUCT HIGHLIGHTS

- .: Easy and reliable targeting up to 1500 m (1600 y)
- .: EAC-function (Enhanced Angle Compensation) for angle correction – patent pending
- .: Intuitive simple menu navigation
- .: Premium-quality OLED display with five manual brightness settings
- .: Display in meter and yards
- .: Scan mode for continuous measurement
- .: Extra long battery lifetime – 3000 measurements
- .: Innovative accessories of high-quality noiseless natural materials from manufactory [Waldkauz®](#)
Consisting of handmade leather-wool strap and unique binoculars case-protection-combination of brown alpine Loden materials

Picture material:

High-resolution images can be found on our website in the [Newsroom](#).

KAHLES – since 1898

In the course of its 120 years company history KAHLES has set many milestones. Today we develop and produce at our facility in Guntramsdorf near Vienna, far-optical precision devices at highest technical standards for ambitious shooters and hunters. We do that with uncompromised focus on the real essential, based on profound user insight and a wealth of know-how.

Josef Kampfer,
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Technical Data	Helia RF 8x42	Helia RF 10x42
Magnification	8	10
Objective lens diameter (mm)	42	42
Eye relief (mm)	18,5	16,5
Exit pupil distance (mm)	5,25	4,2
Pupil distance (mm)	58-72	58-72
Twilight factor (ISO 14132-1)	18,3	20,5
Field of view (m)	125	107
Field of view (°)	7,1	6,1
Field of view apparent (°)	56	59
Near focus (m)	10	10
Diopter compensation	+/- 4	+/- 4
Measurement range (m)	10 - 1500	10 - 1500
Measurement range (yds)	10 - 1600	10 - 1600
Range-finding accuracy (m)	+/- 1 up to 100	+/- 1 up to 100
	+/-2 up to 1000	+/-2 up to 1000
	+/-0,5% over 1000	+/-0,5% over 1000
Range-finding accuracy (yds)	+/- 1 up to 100	+/- 1 up to 100
	+/- 2 up to 1000	+/- 2 up to 1000
	+/- 0,5 % over 1000	+/- 0,5 % over 1000
Displaytyp	OLED	OLED
Brightness levels	5	5
Measurement duration (s)	1	1
Adjustment position twist-in eye cups	4	4
Waterproof (nitrogen filling)	✓	✓
Height x Width x Depth approximately (mm)	148x131x71	148x131x71
Weight (g)	880	880
m/yds display	✓	✓
Laser category	1M	1M
Single measurement	✓	✓
Scan measurement	✓	✓
Angle correction	EAC-function	EAC-function
Batterytype	CR2 Lithium (3V DC)	CR2 Lithium (3V DC)
Battery life (range cycles)	~ 3000	~ 3000
Innovative leather carrying strap	✓	✓
Loden cloth protection	✓	✓
Guarantee (years)	10	10
Guarantee electronics (years)	2	2
Operating temperature mechanical (°C)	-25 - +55	-25 - +55
Operating temperature electronical (°C)	-10 - +55	-10 - +55

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