

Presse release

Guntramsdorf, April 2021



NEW HELIA 42 RF

COMFORTABLY EASY AND RELIABLE



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

With the new HELIA 42 RF, KAHLES presents an optimised updated version of the successful HELIA RF. Accurate measuring of hunting-related targets up to 1,500 meters - an increase of 50% - when directly compared to its predecessor, is enabled by improved distance measurement technology.

The latest lens technology of the HELIA Rangefinder binoculars enables bright, sharp images with high detail and natural contrast. An easy intuitive use/menu navigation enables fading/switching to the patented KAHLES EAC function for angle compensation, the Long-Range (LR) function for the measurement of simple targets up to 4,500 metres as well as to the display of ambient temperature and air pressure. The scan mode that enables continuous measurement of moving targets complements the hunting-relevant range of functions, together with the high-quality clear OLED display, an even more precise target marker for aiming at hunting targets.

In addition to the standard distance measurement (linear), the more precise and patented KAHLES EAC function (Enhanced Angle Compensation) - based on the classic Rifleman's Rule - can be calculated and shown, to obtain the most precise hits when shooting at an angle. While the Rifleman's Rule only provides the slant range based on pure mathematics, the EAC function also considers the different ballistics to provide a more relevant basis.

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K A H L E S

The five manual and easily adjustable brightness levels - without extra menu access -, offer a quick and focused adjustment of the display to the given lighting conditions (preventing unintentional/automatic changes). Energy management has been refined and now offers an extra long battery lifetime of ~ 4,000 measurements.

The ergonomically designed arrangement of the function buttons and the easy pressure point of the Rangefinder function ensure simultaneous viewing and measuring. The protective coating of the device and the different operating controls have been designed for practical use, and provide, together with waterproof and robust aluminium casing, optimal protection in the most adverse conditions and a pleasant, non-slip feel.

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

Complementing the existing HELIA binocular product family, the new HELIA 42 RF is available as of July in two practical magnifications (8x42/10x42) at € 1,700 each at specialized dealers.

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

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TECHNICAL DATA

Magnification	8	10
Objective lens diameter (mm)	42	42
Eye relief (mm)	18	16
Exit pupil diameter (mm)	5,3	4,2
Pupil distance (mm)	58 - 73	58 - 73
Twilight factor (ISO 14132-1)	18,3	20,5
Field of view (m/1.000m)	122	107
Field of view (°)	7,0	6,1
Field of view apparent (°)	56	61
Near focus (m)	5	5
Diopter compensation (dpt)	± 4	± 4
Measure range - standard (m)	5 - 1.500	5 - 1.500
Measure range - LR (m) easy to measure targets	up to 4.500	up to 4.500
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
Display type	OLED	OLED
Brightness levels	5	5
Measurement duration	1 s	1 s
Display Auto-off	5 s	5 s
Adjustment position twist-in eye cups	4	4
Waterproof (nitrogen filling)	✓	✓
Height x Width x Depth approximately (mm)	145 x 132 x 73	145 x 132 x 73
Weight (g)	900	900
m/yds display	✓	✓
Laser category	1M	1M
Single measurement	✓	✓
Scan measurement	✓	✓
Angle correction	EAC-Function	EAC-Function
LR measurement	✓	✓
Temperature measurement	✓	✓
Air pressure measurement	✓	✓
Battery type	CR2 Lithium (3V DC)	CR2 Lithium (3V DC)
Battery lifetime	~ 4.000 range cycles	~ 4.000 range cycles
Guarantee	10 years	10 years
Guarantee electronics	2 years	2 years
Operating temperature mechanical (°C)	-10 / +55	-10 / +55
Operating temperature electrical (°C)	-10 / +55	-10 / +55
Accessories (inclusive)	Ocular and objective cover, Carrying strap with quick release fastener	

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