

US HUNTING

EL RANGE
SEE
MEASURE
HIT



1 THE EL RANGE FAMILY
EL Range: Binoculars with an integrated rangefinder, offering the best optical performance in an ergonomic device. With the EL Range, you turn your outings into outcomes.

2 SMART COMPANION
The rangefinder and customizable configuration allow you to adapt the EL Range perfectly to your needs.

3 TRAIL-BLAZING INTELLIGENCE
The Tracking Assistant helps to narrow down the area where the last shot was taken.

4 EXCEPTIONAL DETAILS
High-contrast images allow quick and accurate spotting of game in every hunting scenario.

SEE THE *UNSEEN*



SWAROVSKI
OPTIK

EL RANGE 42 GROUND-BREAKING PRECISION



NOW WITH 12X MAGNIFICATION

With its large field of view, the EL Range 12x42 offers a clear advantage, especially at long distances. Like all other EL Range 42 models, these binoculars include a rangefinder. It measures distance, angle, temperature, and air pressure at the touch of a button. 12x magnification allows outstanding detail recognition at both close and long range. This allows you to identify precisely which type of animal you are observing from different distances. The 42 mm objective lens diameter lets lots of light inside the device for high-contrast viewing right through until twilight. Weighing just 930 g (33 oz) and with a practical wrap-around grip, the EL Range sits lightly and ergonomically in your hand. The EL Range offers personalized configuration options. "A large field of view of 96m @ 1000m (288 ft. @ 1000 yds) ensures a complete view despite the high magnification. The optional FRR-42 forehead rest and tripod adapter help you keep the EL Range stable. This ensures clear, jitter-free images. With the EL Range, you are equipped for every possible challenge and can experience ground-breaking precision.

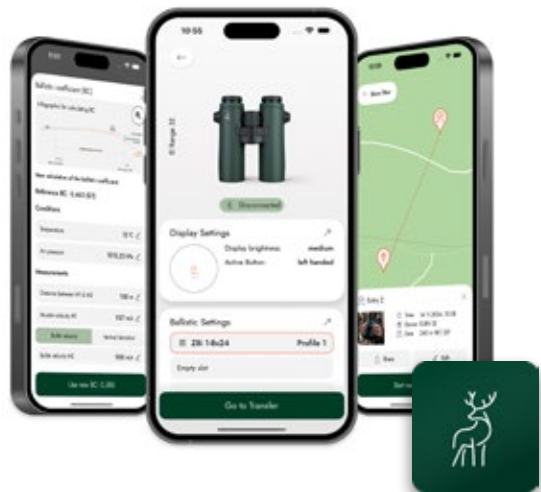


SMART FEATURES WITH THE NEW SWAROVSKI OPTIK HUNTING APP

The new SWAROVSKI OPTIK Hunting App allows individual configuration and personalization of the EL Range 12x42 with ballistics data. This app now replaces the previous EL Range Configurator.

The coordinates of the last three measurements are stored and displayed in the map function. All data can be viewed in the hunting journal and easily forwarded to third parties. The Tracking Assistant helps hunters to locate the target area, particularly in difficult terrain. This program works on both the EL Range and on a smartphone using the SWAROVSKI OPTIK Hunting App.

The new SWAROVSKI OPTIK Hunting App is compatible with all SWAROVSKI OPTIK rifle scopes as well as with the entire EL Range series.



EL RANGE 32 GROUND-BREAKINGLY LIGHT



Compact & lightweight - these are the defining features of the 32 models in the EL Range series. All the familiar EL Range advantages are combined in a complete optical and electronic package weighing just 680 g (24 oz). The electronics used for measurement and projection of information to the viewing channel are concealed in a single fin (right-hand side) on the EL Range 32. The balanced HD optics concept provides awe-inspiring details in a compact design - high-contrast images with natural colors and razor-sharp contours.

The two buttons (measurement and mode) are positioned on top of the bridge. For even greater flexibility and customization, the SWAROVSKI OPTIK Hunting App allows users to select whether the left or right button is assigned to the measurement function. The other button then becomes the mode button. By default, the right-hand button is set to measurement.

The mechanical concept of the EL Range 32 comprises a complete package of ergonomics and lightness. A single bridge provides space to allow easy operation even for users with larger hands. The magnesium technology that has been tried and tested in the EL Range 42 has once again been selected for the housing.

FIELD OF APPLICATION

With its larger objective lens aperture and excellent twilight performance, the EL Range 42 is an ideal all-round device for hunters. The EL Range 32 impresses in challenging hunting scenarios such as mountain hunts, thanks to its compact dimensions and light weight. For everyday hunting situations, the EL Range 32 also offers users a small and lightweight optical instrument that can be combined with a thermal imaging device.

EL RANGE 42 AND EL RANGE 32 COMMON FEATURES

BALLISTICS

Three different ballistic curves can be fed into the EL Range via a built-in Bluetooth interface. Unlike all the other settings, which can also be adjusted on the binocular itself, configuring the ballistics has to be done via the SWAROVSKI OPTIK hunting app.

1. Press and hold the measurement and mode buttons simultaneously for 3 seconds to establish the Bluetooth connection (status LED flashes blue).
2. Now select the EL Range using the serial number and establish the connection (status LED stays blue).





3. Now you can transfer your personal ballistics settings from the app to the EL Range. The data from the last three measurements is also transferred from the EL Range to the app. The app always shows you the exact time of the last synchronization.

To switch off Bluetooth, press and hold the mode button for 2 seconds.

TIP:
For maximum precision, we recommend measuring the muzzle velocity.

RANGE MEASUREMENT

The range measurement of the EL Range is based on a travel time measurement using a laser. The range can be measured between 10 meters (10 yards) and 2,000 meters (2,200 yards).

ONE-OFF MEASUREMENT

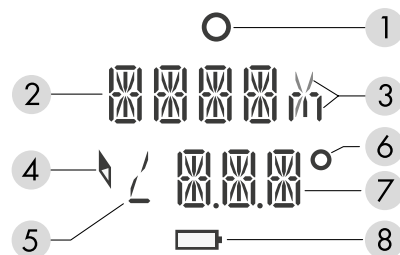
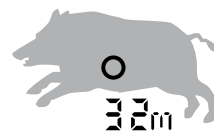
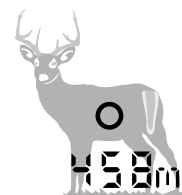
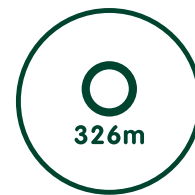
Briefly press the measurement button to display the target mark. After releasing the button, the range measurement is shown in the display.

SCAN MODE

Moving targets are measured continuously in scan mode. The instrument automatically switches to scan mode if you press and hold the measurement button for longer than 3 seconds.

Alongside the range measurement, a tilt sensor takes the measured angle into account. Temperature and air pressure readings are also taken, as these parameters can have a major influence on the projectile's trajectory, particularly at very long distances. However, atmospheric data can only be factored in if your personal ballistics have been transferred to the device. When the second display line is activated, you can display the corrected shooting distance or the correction value to be carried over, along with the number of clicks you need to make - this is done by factoring in range, shot angle, temperature, and air pressure, and is calculated using the ballistics entered via the app. Alternatively, the tilt angle or compass direction can be shown on the second line.

On the EL Range, the target mark and display are in the right optical channel. The brightness of the display can be set to one of five levels using the LIGHT menu option. The binoculars automatically adjust the selected brightness of the display based on ambient light levels.



1. Target mark
2. Distance measurement display (in meters or yards)
3. Display in meters (m) or yards (y)
4. Compass symbol
5. Angle symbol
6. Degree symbol
7. Additional function display
8. Battery symbol

TRACKING ASSISTANT

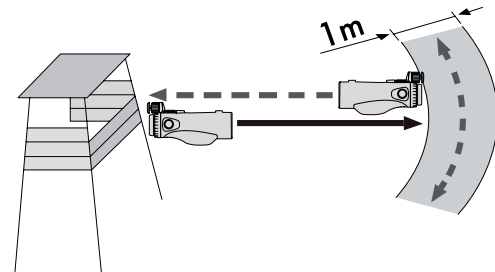


The Tracking Assistant helps the hunter to identify the target area by measuring back to the point where the shot was fired. This can be done in two ways: via the EL Range and via the app.



1. TRACKING ASSISTANT VIA EL RANGE

In the TRACK program, one of the last three measurements is selected and measured back to the point from which it was made. The display shows distance data (m/y) and direction arrows that indicate how far you need to move left and right, front and back, to locate the target area.



Measuring range is usually more accurate than measuring direction, so you see an arc-shaped search field. Leave TRACK mode by pressing and holding the mode button for 2 seconds. You have to actively leave the mode, it doesn't time out.

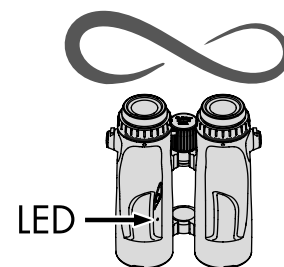
Activate calibration using the measurement button in the COMP program (green LED light flashes on the bottom of the device). Calibrate the compass by turning the instrument evenly on each axis in a figure of eight. The red LED light turns off once calibration is completed. Metal objects (such as a car or power mast) may affect the direction of the compass and the calibration. If you are taking a measurement near your rifle, we recommend doing it at least 40 cm/16 in away from the barrel. A wristwatch with a magnetic clasp may also significantly affect the measurement.

TIP:
We recommend calibrating the compass regularly to ensure the Tracking Assistant is as accurate as possible - particularly when moving to another hunting ground or in the event of major temperature fluctuations.

2. TRACKING ASSISTANT VIA APP

After establishing the Bluetooth connection, one of the EL Range's last three measurements is selected. The starting point can be selected manually or displayed automatically. If you do it automatically, it is important that you are still in the exact spot where the measurement was taken. Afterward you can let your phone guide you toward the target area (arc-shaped search field).

If you have internet reception, you can display the satellite image. GPS is sufficient for displaying the direction arrows. It is not possible to save offline maps.





DIOPTER ADJUSTMENT

To ensure optimum image quality, adjust the focus to compensate for any differences between your left and right eye. This is done as follow:



You can find our
How-to-video here:

LASER MEASUREMENT RANGE

The maximum measuring range of the laser may be influenced by external factors.

	MORE COVERAGE	LESS COVERAGE
Color of target object	Light	Dark
Surface	Shiny	Matt
Angle to target object	Vertical	Acute
Size of object	Large	Small
Sunlight	Weak (cloudy)	Strong (sunny)
Atmospheric conditions	Clear	Hazy
Structure of object	Uniform (house wall)	Not uniform (bush, tree)

BATTERY

The battery (type CR2) is located in the focusing ring of the EL Range. If the battery capacity is low, this is indicated by a flashing target mark when the EL Range TA is switched on. You now have about 100 measurements left. The battery should be replaced immediately. The lid can be opened using the BT tool supplied.



SWAROVISION (ONLY EL RANGE 42) ULTIMATE OPTICAL PERFORMANCE



The optics concept of the EL Range 42 impresses with a large field of view depending on the model, 140m to 96m/1000m (419 ft to 288 ft/1000 yds) with maximum edge sharpness. Optimum contrast and high transmission values (90% on both sides) add the finishing touches to the optics package and guarantee top performance even in difficult light conditions.



UNCOMPROMISING IMAGE DEFINITION

Field flattener lenses deliver an almost flat, completely distortion-free image - right up to the edge,



ULTIMATE OPTICAL PERFORMANCE

Pin-sharp contours, high-contrast, and true-to-life images allow you to make out every detail.



MAXIMUM COLOR FIDELITY

Innovative lens coatings provide excellent color rendering with high light transmission.

FRR FOREHEAD REST RANGE

The enhanced FRR forehead rest Range is available as an accessory and provides a stable three-point support to ensure maximum stability and comfort when observing for extended periods. The forehead rest can be adjusted so that your gaze is lined up perfectly. It is mounted on the battery cover, whose function it replaces.

The FRR forehead rests for the EL Range 32 and 42 are different lengths. These are therefore two separate accessories (FRR-32 and FRR-42). The height of the adjustment wheel can be used as a differentiating factor.



TIP:

On this model, the magnification can be seen on the battery cover and also on the right side of the strap connector. This is important when the forehead rest is mounted, as it replaces the battery cover.

TAs TRIPOD ADAPTER




The TAs tripod adapter (Arca-Swiss compatible) is designed to allow quick, easy, and stable attachment of all NL Pure and EL Range 42 binoculars to the tripod. The connection for the TAs tripod adapter is already integrated in the new EL Range models 10x42 and 12x42. It can be retrofitted on the EL Range 8x42 if required.



MODELS

- EL Range 8x42
- EL Range 10x42
- EL Range 8x32
- EL Range 10x32
- EL Range 12x42

COLORS

- EL Range 42  
- EL Range 32 

SUPPLIED WITH

- UCS universal comfort strap
- FSB functional sidebag
- Eyepiece cover
- Objective lens cover
- Soap & brush kit
- Microfiber cloth
- Strap loop connector
- Cover for steel rings (when detaching the objective lens cover)
- BT tool

ACCESSORIES

- FRR forehead rest range
- TAs tripod adapter
- BH bino harness
- WES winged eyecup set
- BGP bino guard pro
- BSP bino suspender pro
- FSSP floating shoulder strap pro
- UTAs universal tripod adapter
- CSO cleaning set optics
- VPA 2 variable phone adapter and CA-B clamp adapter for binoculars

From the launch of the EL Range 12x42, the diopter adjusting rings of the EL Range models will be black instead of green. (For the models in signal orange, the diopter adjusting rings will be black as before. These will continue to be produced with no change.)

TECHNICAL DATA

	EL RANGE 8x42 W B	EL RANGE 10x42 W B	EL RANGE 12x42 W B	EL RANGE 8x32 W B	EL RANGE 10x32 W B
Magnification	8x	10x	12x	8x	10x
Effective objective lens diameter (mm)	42	42	42	32	32
Exit pupil diameter (mm)	5.3	4.2	3.5	4.0	3.2
Exit pupil distance (mm)	19	19	19	17	16
Field of view (m/1,000 m/ft/1,000 yds)	140/419	120/359	96/288	135/405	110/330
Field of view (degrees)	8	6.8	5.5	7.7	6.3
Field of view, eyeglass wearers (degrees)	8	6.8	5.5	7.7	6.3
Field of view, apparent (degrees)	61	61	61	60	61
Shortest focusing distance (m/ft)	5/16.4	5/16.4	5/16.4	5/16.4	5/16.4
Diopter adjustment left/right (dpt)	-7 to +5	-7 to +5	-7 to +5	-7 to +5	-7 to +5
Diopter correction at ∞ (dpt)	> 4	> 4	> 4	> 4	> 4
Interpupillary distance (mm/in)	56 - 74/2.2 - 2.9	56 - 74/2.2 - 2.9	56 - 74/2.2 - 2.9	56 - 74/2.2 - 2.9	56 - 74/2.2 - 2.9
Light transmission (%)	90	90	90	90	90
Twilight factor based on ISO 14132-1	18.3	20.5	22.4	16	17.9
Approx. L* x W** x H** (mm/in)	172 x 136 x 79/ 6.8 x 5.3 x 3.1	169 x 136 x 79/ 6.6 x 5.3 x 3.1	168 x 136 x 79/ 6.6 x 5.3 x 3.1	146 x 131 x 69/ 5.8 x 5.1 x 2.7	143 x 131 x 69/ 5.6 x 5.1 x 2.7
Weight approx. (g)	930/32.8	925/32.6	930/32.8	685/24.2	680/24.0
Display	LCD	LCD	LCD	LCD	LCD
Measurement range (m/yds)	10 - 2000/10 - 2.200	10 - 2000/10 - 2.200	10 - 2000/10 - 2.200	9 - 1500/10 - 1.640	9 - 1500/10 - 1.640
Range-finding accuracy (m/yds)	10 - 1500 ± 1	10 - 1500 ± 1	10 - 1500 ± 1	9 - 1000 ± 1	9 - 1000 ± 1
Measurement duration	0.5 s	0.5 s	0.5 s	0.5 s	0.5 s
Measured angle	± 90°	± 90°	± 90°	± 90°	± 90°
Laser	Klasse 1 EN/FDA	Klasse 1 EN/FDA	Klasse 1 EN/FDA	Klasse 1 EN/FDA	Klasse 1 EN/FDA
Battery	CR2	CR2	CR2	CR2	CR2
Operating hours	2000x	2000x	2000x	2000x	2000x
Tracking Assistant Search @ 200 m	1x30 (m x m)	1x30 (m x m)	1x30 (m x m)	1x30 (m x m)	1x30 (m x m)
Temperature at measurement	°C/°F	°C/°F	°C/°F	°C/°F	°C/°F
Air pressure at measurement	hPa/inHg	hPa/inHg	hPa/inHg	hPa/inHg	hPa/inHg

Optical coatings: SWAROTOP, SWARODUR, P-BELAG · Functional temperature Electronics -10°C to +55°C (+14 to +131°F) / Mechanics -25°C to +55°C (-13 to +131°F) · Storage temperature: -30°C to +70°C (-22 to +158°F) · Submersion tightness: 4 m (13ft) (inert gas filling) ·
 * with eyecups twisted-in · ** with an interpupillary distance of 64 mm

More details about the EL Range, other SWAROVSKI OPTIK products, as well as repairs and services can be found at myservice.swarovskioptik.com

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