



# The Ultimate Visual Experience

## **NEW: Victory RF Binoculars**

All in one: **High-performance Binoculars,**  
**Laser Range-finding, Ballistic Information System BIS™**



We make it visible.

Clear, long-range vision is only one feature which increases the chances of success when hunting. The others are to know the distance to the game and the exact bullet trajectory. When all three parameters are fulfilled, it is

a recipe for success. Carl Zeiss now introduces a unique opportunity to pull out all the stops when it comes to turning chances into successful shots: the new Victory RF binoculars.

# Victory RF

Holding all the Aces



## Key Functions Combined for the First Time

1. High-performance Optics
2. Laser Range-finding
3. Ballistic Information System BIS™

Victory RF binoculars provide all the power of high-grade ZEISS binoculars, combining them with the functions of range-finding and ballistic information which are crucial for hunting. The large lens diameter of 45 mm ensures excellent image quality and performance, even in twilight.

## Performance in the Field

### Ergonomics and Ease of Use

The outstanding design shows the great consideration to form, function and comfort in the development of the Victory RF. When held in hand these binoculars surprise with their manageability and their lightning fast, intuitive operation. With slight pressure on the range finding button you can display the distance and the accurate targeting information.





Victory stands for unsurpassed image quality and resolution. High quality lenses generate bright, crystal clear images. RF binoculars combine elaborate optics and sophisticated additional features in a compact, robust package. A farsighted innovation – “Made in Germany”.

# Concentration of Functions

High-performance Binoculars with Laser Range-finder and BIS™

## Faster than the Game

Intuitive Operation with Finger-tip Controls

### Range-finder: the “One Touch” Principle

When the range-finder button is pressed, the reticle lights up so that the target can be sighted. After releasing the button, the distance is displayed immediately in meters or in yards. When the Ballistic Information System (BIS™) is activated the holdover value is shown right after the distance. The “One Touch” Principle reduces any movement to a minimum when range finding.

### SET Button: Three Functions

With the SET button,

- the Ballistic Information System (BIS™) can be activated or deactivated
- the ballistic program synchronised with the trajectory can be selected
- the desired unit of measurement (meters/centimeters or yards/inches) can be selected

## Clear Information

The Self-illuminating LE Display

The LED display appears in the center of the field of view when the button is pressed and automatically adjusts to the brightness of the surroundings. Thus, readability is provided – against any background and in any lighting situation.



## Comfortable Handling

### Ergonomics and Design

The distinctive shape and finish, robust construction and innovative technology take handling and comfort to a higher level. Victory RF binoculars are the first of their type worldwide, working without a separate laser emitter.



## Solid Construction

### Lightweight, Robust, All-metal Magnesium Casing

The binocular casing is extremely resilient and is protected by an environmentally friendly anti-corrosion layer. With its water and dustproof construction and nitrogen filling, it is designed for extreme conditions and it is completely free of internal fogging. The rugged rubber coating absorbs shock and noise.



reddot design award  
winner 2008

## Twilight Performance

### 45 mm Lens Diameter and T\* Multi Coating

RF binoculars offer bright and clear image quality even in the twilight. The 45 mm lens diameter offers a nearly 15% clearer viewing than a 42 mm lens. The high-contrast optics in combination with the Carl Zeiss T\* Multi-Coating provides an outstanding crystal clear vision.

## Protective Layer for Clear Vision

### LotuTec® Lens Coating



Stunning image quality, regardless of the weather: the LotuTec® protective layer on the lens surfaces causes water to drip off completely. Dirt, grime and fingerprints can be easily removed.

# The **Victory RF** Concept

## The Digital Laser Range-finder

The combination of quick operation and accurate performance is unique: by pressing the range-finder button once, a measurement of distances up to 1,200 meters can be made. After sighting the object with the reticle, measurement is completed when the button is released. The measured distance is placed directly into the field of view by a self-illuminating LED display. Scan Mode enables continuous measurements to be taken, helpful for gauging the distance of small and moving targets. When the range-finder button is pressed for more than 3 seconds, Scan Mode is activated automatically.



*Display of 237 meters in the field of view.*



*After the distance is displayed, H 23 appears. The hunter must aim 23 cm over the aiming point on the target.*

## BIS™ - Ballistic Information System

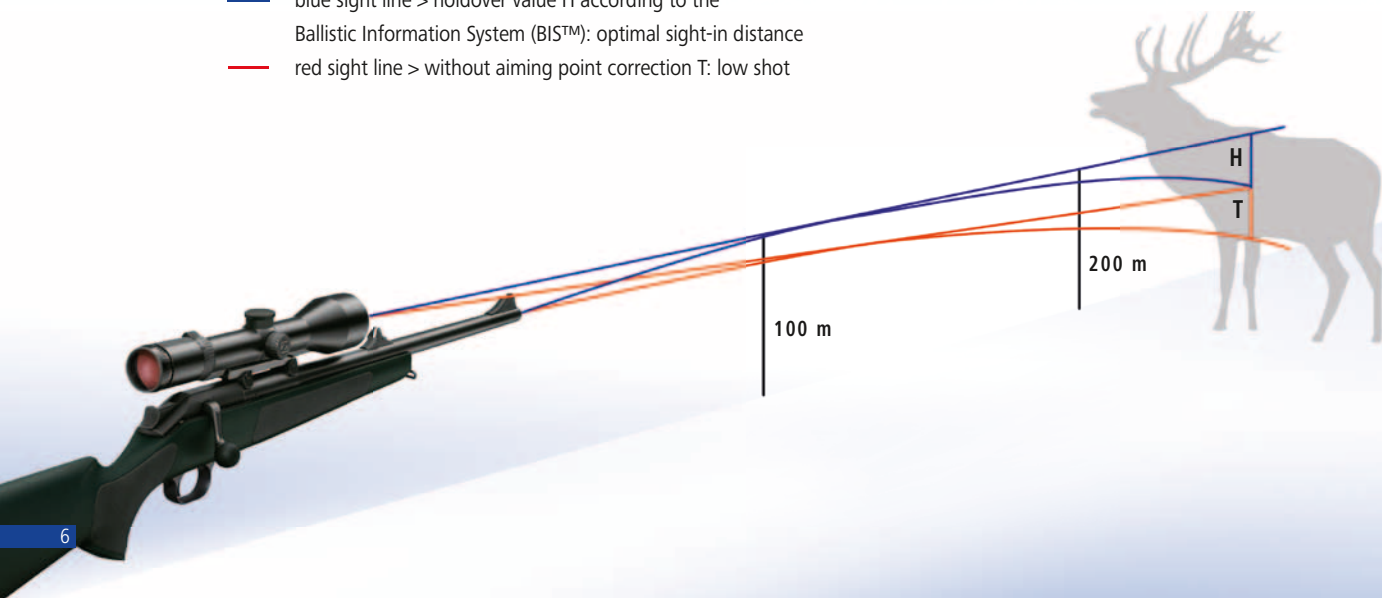
Once the distance has been measured, the correct sighting point will ensure the success of the hunt. Thanks to the integrated electronic ballistic calculator, the hunter does not have to estimate how far below or above the target to aim: this innovative program calculates the holdover value according to the selected trajectory and the measured distance. The combination of an extremely fast operating laser range-finder and the ballistic calculator will have an astonishing impact on your accuracy.

## Ballistic Programs

With the SET button the user selects one of the six ballistic programs, depending upon his ammunition. A key advantage is the option to select the sight-in distance independently of the ballistic curve. Thus, all options for a 100 m sight-in distance, as well as for a sight-in distance within the most favorable zeroing range (GEE) are possible. For US, adjustments between 100 and 200 yards can be selected.

## Determination of the Holdover Value using BIS™

- blue sight line > holdover value H according to the Ballistic Information System (BIS™): optimal sight-in distance
- red sight line > without aiming point correction T: low shot



## Ballistic Curves

Curve Selection	Distance in Meters	100	150	200	250	300	350	400	500
EU 1	Bullet Drop in cm	0	-2.1	-7.7	-17.1	-31.2	-50.5	-75.3	-146.4
EU 2		0	-2.9	-10.0	-22.1	-39.7	-63.1	-94.6	-184.4
EU 3		0	-3.3	-11.4	-24.6	-43.3	-68.1	-100.9	-193.2
EU 4		0	-5.3	-16.3	-33.2	-57.2	-89.4	-130.2	-239.4
EU 5		0	-6.2	-18.0	-38.9	-67.3	-104.7	-151.4	-275.7
EU 6		0	-8.1	-25.0	-51.7	-91.4	-145.8	-218.1	-426.1

Table: Bullet Drop for 100 m sight-in distance.



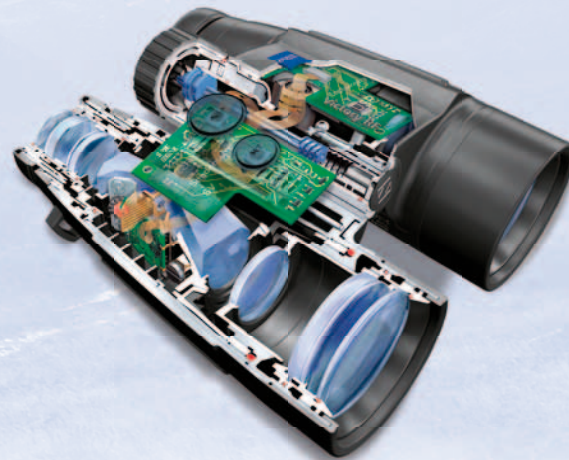
100 m sight-in distance: Target Point = Aiming Point (ill. 1).  
Trajectory 100 m (ill. 2).

300 m shot: corrected aiming point using BISS™ (ill. 3).  
Trajectory 300 m (ill. 4).

## Technical Specifications

Technical Specifications Binocular Victory RF	Victory 8x45T*RF	Victory 10x45T*RF
Magnification	8x	10x
Effective Lens Diameter	45 mm	
Exit Pupil Diameter	5.6 mm	4.5 mm
Twilight Factor	19	21.2
Field of View at 1,000 m/yd.	125 m/yd.	110 m/yd.
Close Focus	approx. 5.5 m	
Diopter Adjustment Range	+/- 3.5 dptr	
Exit Pupil Spacing	16 mm	15.5 mm
Pupil Distance	54-76 mm	
Lens Type	4 lens Achromat	
Prism System	Abbe-König	
LotuTec®	yes	
Nitrogen Filling	yes	
Water Resistance	yes	
Height	approx. 167 mm	
Weight with Battery	approx. 995 g	
Product No.	52 45 16	52 45 18

T\* = Carl Zeiss T\* Multi Coating



Invisible innovative high-performance technology.

### Technical Specifications, Laser Rangefinder (for both models)

Laser Class	Class 1
Laser Wavelength	904 nm
Measuring Range*	10 – 1,200 m, 10 – 1,300 yd.
Measuring Accuracy	± 1 to 600 m ± 0.5% above 600 m
Measuring Time	approx. 1 sec., max.
Beam Divergence	1.6 x 0.5 mrad
Battery	1 x 3V Type CR 2
Battery Life at +20° C	> 10,000 measurements
Accessories	Mono 3x12 52 20 12
	Adapter for Mono 52 83 77
	Binofix 52 83 87
	Air Cell Comfort Carrying Strap 52 91 13

\*The measuring range is influenced by the size and degree of reflection from the object as well as the atmospheric conditions.

Power supply is provided by a standard CR 2 lithium battery and ensures reliable function, even at low temperatures.



Carl Zeiss Sports Optics

Gloelstraße 3-5 · 35576 Wetzlar · Germany · [www.zeiss.de/sportsoptics](http://www.zeiss.de/sportsoptics)

