



Carl Zeiss Optical, Inc.

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## NEW: Victory RF Binoculars

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



We make it visible.

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Sometimes it is not enough to see your game clearly. Sometimes, for one shot that makes the whole hunt more memorable, you need to know the exact range to your target and how bullet drop is going to effect your placement.

What you then need are binoculars with maximum contrast and clarity, which also provide you with the exact distance to your target and holdover information based on the trajectory of your load. Discover the new Victory RF Binoculars: the world's first binoculars with integrated laser range-finder, premium ZEISS optics, and a sophisticated Ballistic Information System.

# Victory RF

Create a better hunt



## Combined Functionality

- 1. High-performance optics
- 2. Laser range-finding
- 3. Ballistic Information System BIST™

Victory RF binoculars provide the clarity and power you expect from ZEISS binoculars, together with range-finding and ballistic information that is often critical for hunting. The large 45 mm objectives ensure excellent image quality and brightness, even in twilight.

## Performance in Action

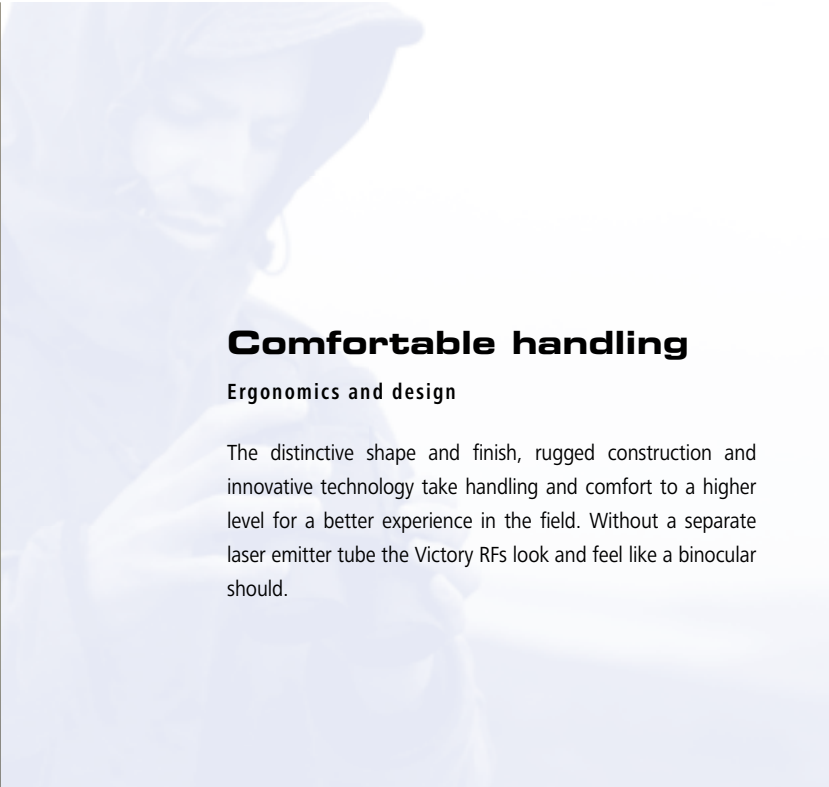
### Ergonomics and ease of use

The Victory RFs are designed to give you the best experience in the field. That means both performance and comfort. Holding these binoculars in your hands, you will be surprised by their comfortable fit and lightning fast, intuitive operation. A touch on the range-finding button displays the distance to the target and then the accurate holdover value.





Superior Victory optics give you the best view of the world possible: maximum resolution, exceptional brightness, and absolute clarity. RF binoculars combine this exceptional view with sophisticated ranging features in a compact, rugged body. Innovation that improves your experience in the field – “Made in Germany”.



## Comfortable handling

### Ergonomics and design

The distinctive shape and finish, rugged construction and innovative technology take handling and comfort to a higher level for a better experience in the field. Without a separate laser emitter tube the Victory RFs look and feel like a binocular should.



# Putting It All Together

An outstanding view with laser range-finder and BIS™

## Faster than any Game

### Intuitive fingertip control

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

When the range-finder button is pressed, the aim-point lights up so that you can easily sight your target. After releasing the button, the distance is displayed in yards or meters. When the Ballistic Information System (BIS™) is activated, the holdover value is shown shortly after the distance. The “One-Touch” Principle reduces wasted motion to a minimum, for a steadier image when range-finding.

#### Set Button: Three Functions

- With the set button you can:
- turn the Ballistic Information System (BIS™) on or off
  - select the ballistic program to match your load’s trajectory
  - select the desired unit of measurement (meters/centimeters or yards/inches)

## Clear Information

### The self-illuminating LED display

The LED display appears in the center of the field of view when the button is pressed. It automatically adjusts to the brightness of the surroundings, making it readable against any background and in any light conditions.



## Solid Construction

### Lightweight, rugged, fully-armored body

The magnesium body, with our unique environmentally friendly anti-corrosion layer, is extremely resilient. Water and dustproof, and nitrogen filled, the Victory RF is designed for extreme conditions without internal fogging. Tough rubber armor absorbs shock and noise, and feels right in your hands.

## Twilight Performance

### 45 mm lens diameter and Carl Zeiss T\* multi-coating

RF Binoculars offer optimal image quality even in twilight, when hunting is most challenging. Compared to conventional 42 mm objectives, the 45 mm objectives offer a 15 % brighter view. High-contrast optics, high efficiency prisms, and Carl Zeiss T\* multi-coating provide outstanding, crystal clear vision in any light.

## Protective Lens Coating for Clear Vision

### LotuTec® water-repellent coating

Stunning image quality, regardless of the weather: the LotuTec® protective layer on the lens surfaces causes water to roll right off. Dirt, grime and finger-prints wipe off with ease.



**GRAY'S BEST**

LotuTec®  
Winner of Gray's  
Best award  
Gray's Sporting  
Journal 2008  
Expeditions & Guides  
Annual



# The Victory RF Concept

## The Digital Laser Range-finder

The combination of speed and accuracy is unique. Press the range-finder button once, put the aiming-point on the target, release the button, and the measured distance (up to 1,300 yards or 1,200 meters) appears in the center of the field. Self-illuminating LEDs give the sharpest readout possible. Hold the button down for more than 3 seconds and the RF enters Scan Mode, for continuous measurement of the distance to small or moving targets.



Display of 237 yards in the field of view.



After the distance is displayed, H 8 appears. The hunter must aim 8 inches over the aiming-point on the target.

## BIS™ - Ballistic Information System

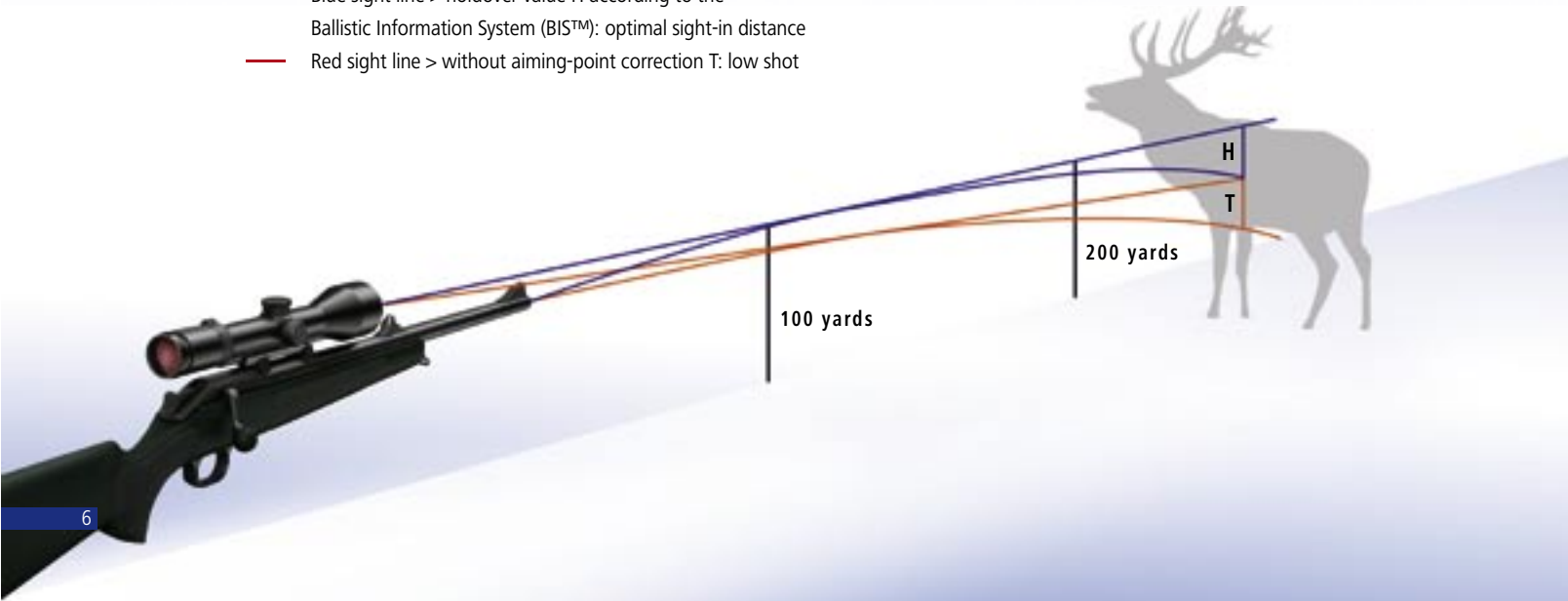
Knowing the distance to your target makes a significant difference in the accuracy of your shot and the success of your hunt. The fully integrated electronic ballistic calculator (BIS™) will also give you the correct holdover, based on the distance measured, and the load trajectory you have pre-selected. The fast laser range-finder and ballistic calculator will have you on target in practically no time, every time.

## Ballistic Programs

With the SET button you can select one of the six ballistic programs, depending on your ammunition. Our calculator is sophisticated enough to allow you to select both ballistic curve and sight-in distance independent of each other, enabling the use of both conventional 100-200 yard zeros, and two European systems of "optimum sighting distances".

## 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

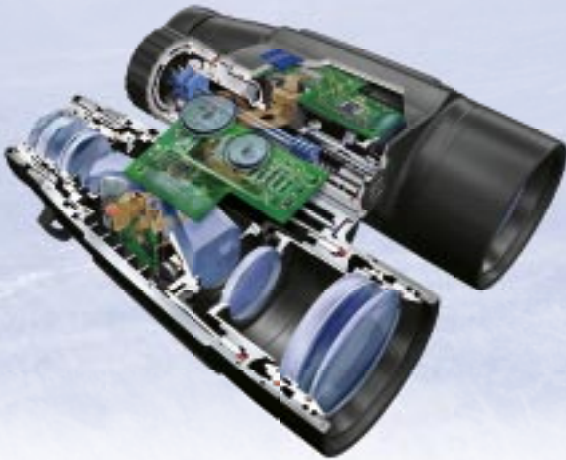
Curve Selection	Distance in Yards	100	150	200	250	300	350	400	500
US 1	Bullet Drop in inches	0	-0,5	-2,1	-4,9	-9,2	-15,1	-22,8	-44,2
US 2		0	-0,8	-2,8	-6,4	-11,8	-19,1	-28,5	-56,8
US 3		0	-1,1	-3,7	-8,1	-14,4	-22,6	-33,2	-62,7
US 4		0	-1,5	-4,7	-9,9	-17,4	-27,3	-40,0	-74,5
US 5		0	-1,8	-5,4	-11,6	-20,4	-32,1	-46,9	-85,9
US 6		0	-2,0	-7,2	-15,4	-27,4	-44,0	-66,0	-129,0

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



100 yards sight-in distance : Target Point = Aiming-point (fig. 1)  
Trajectory 100 yards (fig. 2)

300 yards shot: corrected aiming-point using BIS™ (fig. 3)  
Trajectory 300 yards (fig. 4)



Innovative high-performance technology, hidden from sight.

## Technical Specifications

Technical Specifications Binocular Victory RF	Victory 8x45 T* RF	Victory 10x45 T* RF
Magnification	8x	10x
Effective Lens Diameter	45 mm	
Exit Pupil Diameter	5.6 mm	4.5 mm
Twilight Factor	19	21
Field of View feet @ 1,000 yds	375	330
Close Focus	18 feet	
Diopter Adjustment Range	+/- 3.5 dpt	
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	~ 6.6 inch	
Weight with Battery	~ 35 oz	
Product No.	52 45 16	52 45 18

T\* = Carl Zeiss T\* Multi Coating

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 yd ≤ 656 yds ± 0.5% > 656 yds
Measuring Time	approx. 1 sec., max.
Battery	1 x 3V Typ CR 2
Battery Life at 68 F	> 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 atmospheric conditions.

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