

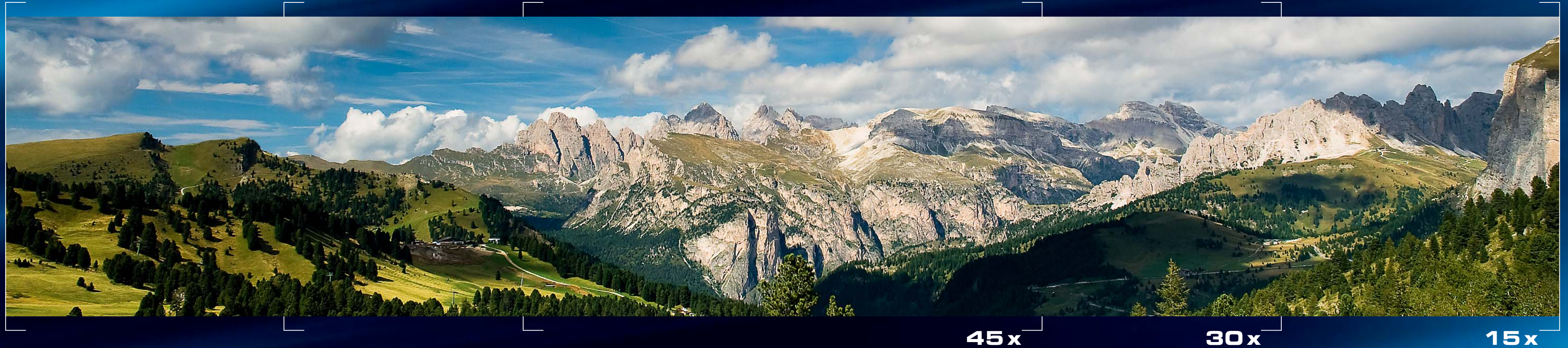
PhotoScope 85 T* FL

Observing and Photographing



We make it visible.

Observation in Panorama



He who sees more can observe more.
The Victory PhotoScope offers an unrivalled experience with an overwhelming
image profile. The panorama field of view is more comprehensive than
anything else on the market as yet.

A New Photographic Experience



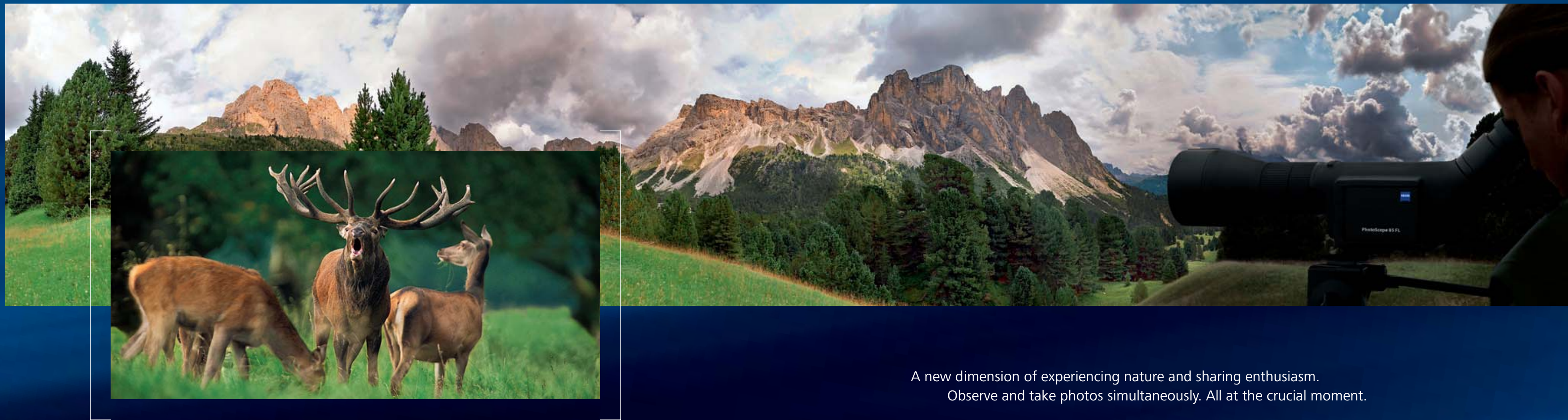
1.200 mm

Objects can be approached more closely than ever before,
ready to be captured by the camera –
effortlessly, utterly quiet and vibration-free.



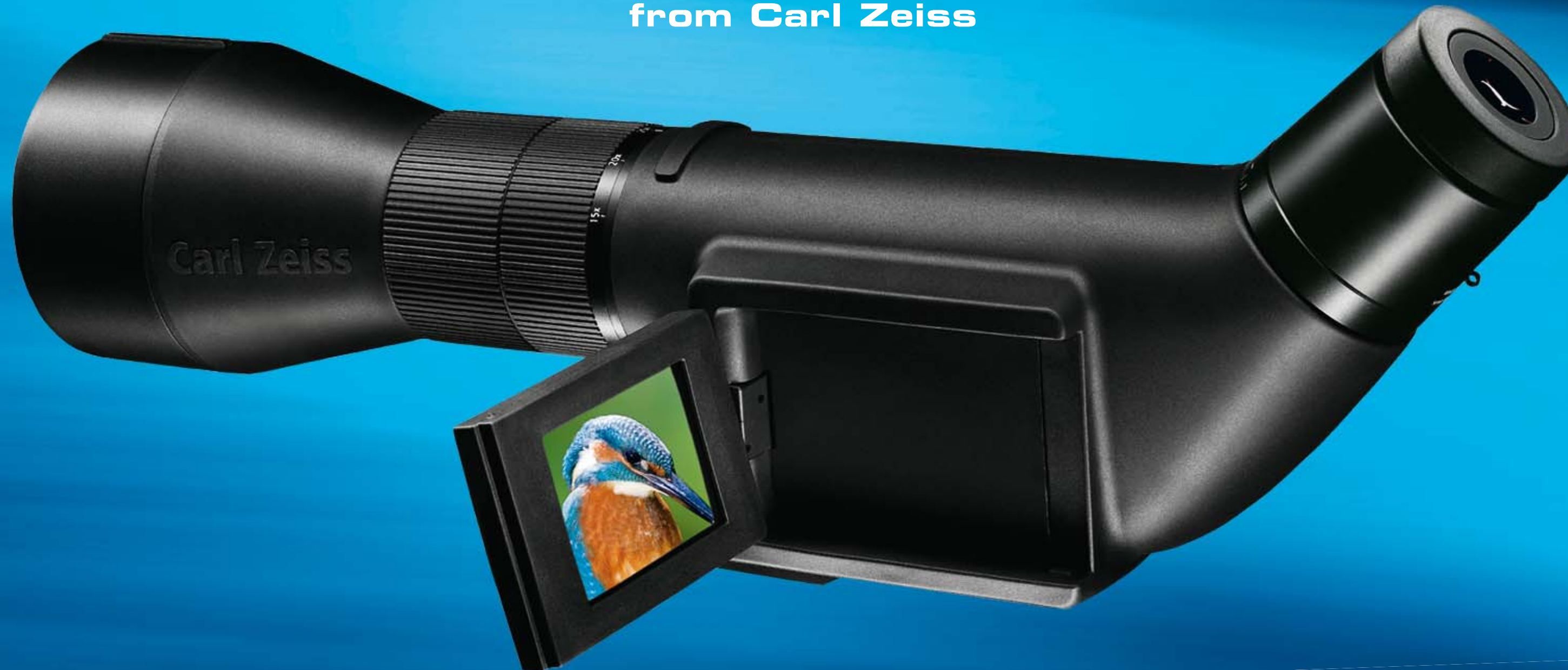
1.800 mm

Capture the Fascination



A new dimension of experiencing nature and sharing enthusiasm.
Observe and take photos simultaneously. All at the crucial moment.

The New Reference
Victory PhotoScope 85T* FL
from Carl Zeiss



reddot design award
winner 2009

ZEISS

Carl

Zeiss

Scope 85 FL

Catching Glimpses

As Unique as Life Itself.



The new Victory PhotoScope 85 T* FL is the world's first spotting scope with a zoom lens and a fully integrated 7 megapixels digital camera that permits simultaneous observation and photography. Thanks to its powerful observation optics, it is possible to gain unique visual experiences that can easily be recorded at the touch of a button.

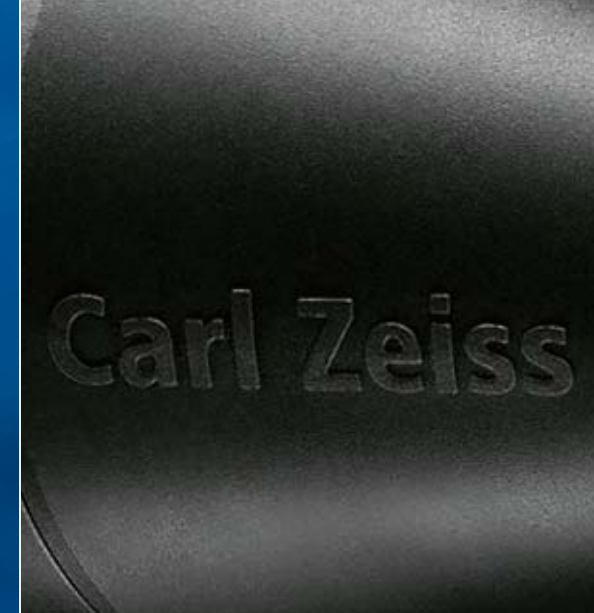
Images are selected directly in the razor-sharp field of view of the eyepiece. A large fold-out display screen makes checking the image before and after the photograph even more convenient and serves as the information centre for all of the camera's functions. A wireless remote control ensures vibration-free photographs.



PhotoScope 85 FL

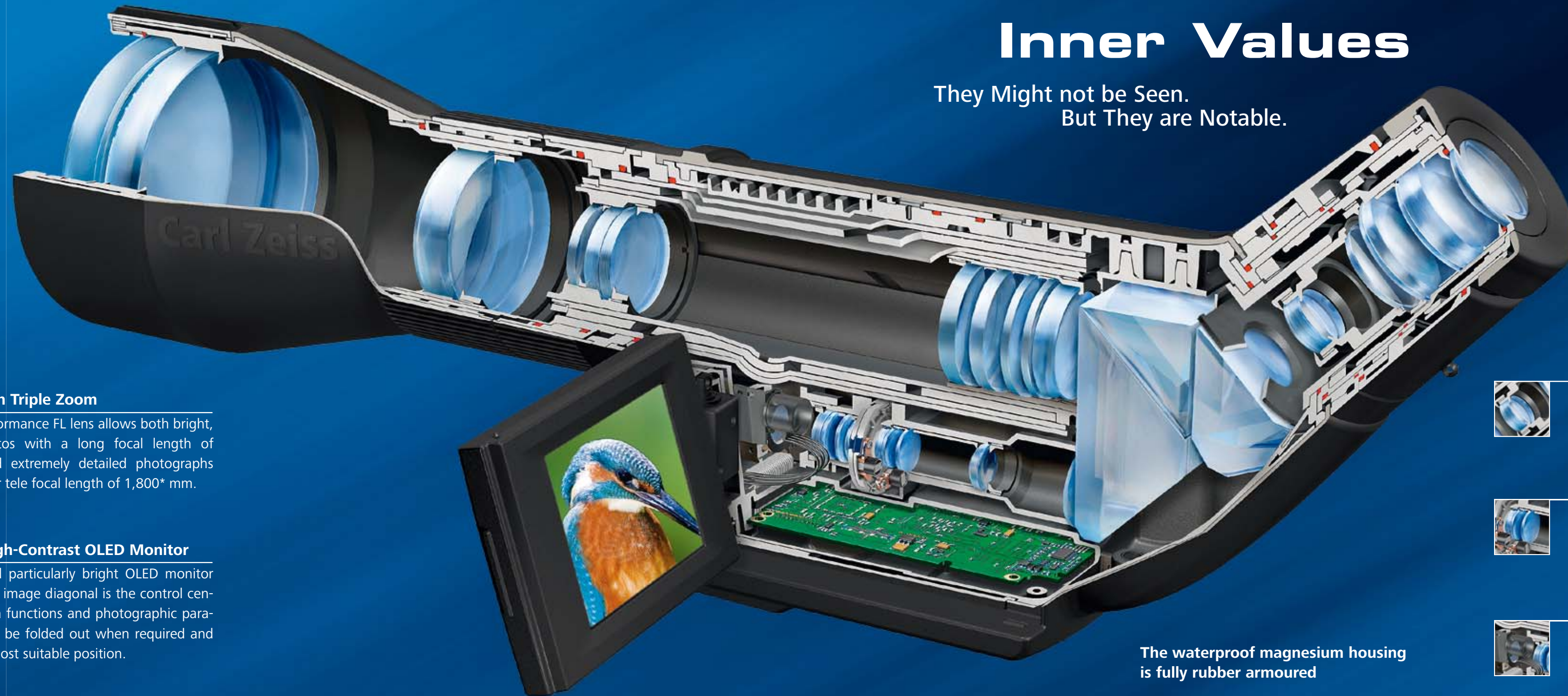
The unique zoom objective creates the outstanding field of view and the handy placement of zoom and focus.

Powerful in every situation:
the ultra-compact FL lens with LotuTec® coating ensures outstanding imaging performance at an overall length of only 438 mm.



Inner Values

They Might not be Seen.
But They are Notable.



FL Lens with Triple Zoom



The high-performance FL lens allows both bright, crisp telephotos with a long focal length of 600* mm and extremely detailed photographs with the super tele focal length of 1,800* mm.

Bright & High-Contrast OLED Monitor



The large and particularly bright OLED monitor with a 7.2 cm image diagonal is the control centre for camera functions and photographic parameters. It can be folded out when required and tilted to the most suitable position.

* based on 35 mm film

Excellent Field of View



The field of view is up to 60 % larger than with traditional spotting scopes, guaranteeing a cinematic visual experience!

Camera Optics with Focus Assist



The unique focus assist function supports manual focusing and ensures that a sharp image is produced even in case of slight focusing errors.

7 Megapixels Camera Sensor

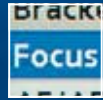


The shock-proof camera electronics and signal processing are specifically tailored to the demands of nature photography.

The waterproof magnesium housing
is fully rubber armoured

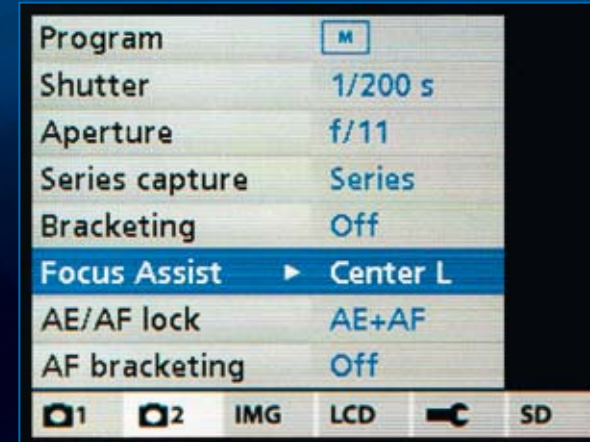
Camera Menu

A Wide Range of Possibilities.



The ease of use and extensive range of automatic functions also make the Victory PhotoScope 85 T* FL suitable for wildlife and nature observers with no previous experience. It delivers great results right from the start. In the AUTO mode, intelligent electronics take control of all relevant settings. Even more: the autofocus assistant of the Victory PhotoScope 85 T* FL moves a sliding lens when the trigger is released, thus correcting – practically unnoticed – small errors caused by manual focusing. For experienced nature and wildlife photographers the camera menu offers a multitude of setting options for perfect pictures.

- 6 exposure measurement methods including histogram analysis
- 4 automatic programmes including manual control mode
- 8 bracketing functions for focus and exposure sequences
- Filter functions for contrast, colour, sharpness, noise and haze
- ISO sensitivity of 50 – 800
- DNG and JPG file format (in 3 different levels of quality)
- Automatic white balance plus selectable colour temperatures
- Manual exposure correction of ± 2.0 EV



Clearly structured menu display on the screen.



A histogram can be displayed for precise exposure control.

Accessories

Equipped for All Requirements.



The Victory PhotoScope 85 T* FL is already equipped as standard with an extensive delivery package:

- Remote control with 2 batteries
- Quick-charger with rechargeable battery and globally compatible adaptor plugs
- Robust cordura case with internal padding for optimal protection
- 1 GB SD memory card
- USB cable: for conveniently transferring the images to a PC
- Protective covers: to securely and quickly close the eyepiece and for the objective lens

The optional tripod with adjustable centre pillar is the perfect accessory.



Victory PhotoScope 85 T* FL remote control.



Fields of Experience

The Diversity of a Unique Product.



Dynamics and precision: With biathlon, target performance is essential. Coaches therefore use the Victory PhotoScope to simultaneously observe and document the shooter's performance when training and on competitions.

With its 15 to 45 times magnification and a Super Telephoto Lens of up to 1,800 mm focal length the Victory PhotoScope 85T* FL is a perfect instrument for many fields of application.



Excitement and proximity: Besides observing mountaineers when climbing, it is now also possible to capture the climbing route with the super tele focal length of the Victory PhotoScope.

The Victory PhotoScope 85 T* FL is the perfect companion to observe and capture unique moments in razor-sharp images. This also applies to architecture, sports and event photography.

Technical Specifications



Top-class imaging performance and performance data only develop if all components are perfectly matched. For brilliant visibility under all conditions from the glaring midday light to a low evening sun, the Victory PhotoScope 85 T* FL is equipped with a high-quality FL lens. Thanks to the use of glass containing fluoride superior image quality and rich colouring without inconvenient colour fringing, visible deviations or blurring are ensured - even in difficult lighting conditions.

As with the surface of the lotus leaf, the LotuTec® coating ensures that water is repelled immediately and without residue. Dirt, grease and fingerprints can easily be removed with no risk of damaging the high-quality lenses.



Technical Data	Victory PhotoScope 85 T* FL			
Magnification	15 – 45 x		Programmes	Manual, P, A, Auto
Entrance Pupil	max. 85 mm		Exposure	Spot, centre-weighted, matrix, histogram, highlights, shade
Field of View at 1,000 m	80 – 27 m		White Balance	Auto, manual, luminescent substance, artificial light, shade, cloud, cloud and sun with semi-automatic
Close Focusing Distance	5 m		Bracketing	6 levels for exposure series, 2 levels for focus series
Focus Setting	Manual and focus assist		Image Size	7 M, 4 M, 2 M
Length	about 438 mm		File Format	JPEG, DNG (RAW)
Weight	about 2,990 g		Power Supply	7.4 V Lithium-Ion Battery or Extern
Image Sensor	7 mpx CCD		Connections	USB 2.0, Network
Focal Length (corr. to 35 mm)	600 – 1,800 mm		Storage Medium	SD Card
Largest Aperture (nominal)	2.4 bei 15 x / 3.3 bei 45 x		Order Number	52 81 00
Aperture Stops	open, 11, 22			
ISO Sensitivity	ISO 50 – 800			
Shutter Speeds	B – 1/4000 s			

