

- Haptic vibro feedback
- Smart power management
- Classic binocular design
- Photo/video recording with sound
- Tactile 3 position power switch
- True horizontal distance indication
- Stream Vision 2 and Stream Vision Ballistics support
- Integrated ballistic calculator
- 3 sensitivity amplification levels
- Energy saving sleep mode
- 4 digital imaging modes



### **SYMBION LRF** multispectral imaging

binoculars combine a 4K digital sensor for clear daytime and twilight observation with a premium thermal imaging sensor for detecting heat signatures in any condition.

Built-in infrared illuminator ensures dependable visibility in low light, while picture-in-picture mode lets you view both channels simultaneously for complete situational awareness.

Integrated laser rangefinder provides fast, precise distance measurements. The intuitive, rugged housing enables comfortable one-hand operation and is built to withstand demanding professional field use.

**SYMBION LRF DXT50** premium multispectral binoculars with thermal, night vision, and full-color day imaging plus an integrated laser rangefinder. With its wide field of view, it's built for scanning forests and mixed terrain, delivering maximum image detail and quick detection in daylight, darkness, or twilight.

Optimized for long-range detection, **SYMBION LRF DXR50** delivers high magnification, sharp detail, and reliable identification of distant game in day, night, or twilight.

### ***Multispectral imaging***

Switch seamlessly between full-color daytime, twilight, and thermal views, with a built-in infrared illuminator for reliable low-light visibility. Scan terrain, detect heat signatures, and identify targets faster for confident, well-informed decisions.

### ***4K Digital full-color sensor***

Experience rich, detailed color during the day, clear visibility at twilight, and high-contrast views at night. Built-in infrared ensures reliable low-light performance, letting you scan terrain, identify game, and make informed decisions faster.

***Thermal imaging sensors***

Reveal subtle heat signatures in any conditions to track movement, spot animals, and interpret behavior with confidence. Choose between premium HD 1280×1024 (DXT50) or highly sensitive 640×480 (DXR50) thermal performance.

***Image stabilization***

Keep your view steady, even at high magnification. Electronic image stabilization reduces motion blur and compensates for hand movements, letting you track animals, scan terrain, and capture sharp, clear images effortlessly.

***Optimized for one-hand use***

Operate effortlessly with one hand thanks to dual focusing wheels and intuitively placed controls. Designed for both left- and right-handed use, it keeps adjustments natural and your focus on the action.

***Built-in laser rangefinder***

Measure distances quickly and accurately up to 1500 m with a powerful laser rangefinder. Switch between scanning and single-shot modes to assess range instantly and plan your next move with confidence.

***Combined multispectral PiP modes***

View digital and thermal channels simultaneously with picture-in-picture modes, so you can detect, confirm, and track targets confidently, even in complex or low-visibility conditions.

***IR Illuminator***

Maintain clear visibility in total darkness with a focusable 850 nm infrared illuminator. Three adjustable power levels adapt to changing conditions, ensuring no movement goes unnoticed.

***New graphic interface***

Navigate settings quickly with an intuitive interface that ensures clear visibility and easy access to key functions. Spend less time adjusting and more time observing, tracking, and making confident decisions in the field.

**Standard Accessories:** APS5 Battery Packs (2 pcs.), APS5 Battery Charger, APS5 Battery caps (2 pcs.), Power Adapter, USB Type-C cable, Soft Carrying Case, Binoculars Harness, Neck Strap, Lens-cleaning Cloth, Tripod Adapter

**Optional Accessories:** Hard Storage Case, Anti-Fog Lens Cleaning Kit

SPECIFICATIONS	SYMBION LRF DXR50	SYMBION LRF DXT50
<b>SENSOR</b>		
Sensor Type	uncooled	uncooled
Resolution, pixels (Thermal)	640 x 480, 12 μm	1280 x 1024, 12 μm
Sensor NETD, mK	<35	<40
System NETD, mK	<18	<20
Frame Refresh Rate, Hz	50	50
Pixel Size, μm	12	12
Digital Sensor	4K CMOS	4K CMOS
Resolution, pixels (digital)	3840 x 2160	3840 x 2160
<b>OPTICAL SPECIFICATIONS</b>		
Magnification (x)	Thermal 4 – 32x   Digital 6.5 - 26x	Thermal 2 – 16x   Digital 6.5 - 26;
Lens System	Thermal 50/F1.0   Digital F50/1.8	Thermal 50/F1.0   Digital F50/1.8
Field of view (H x V)	Thermal 8.8°   Digital 5.8°	Thermal 17.5°   Digital 5.8°
Interpupillary distance adjustment, mm	62.5 - 74	63 - 74
Eye Relief, mm	13	12
Exit pupil diameter, mm	5	5
Diopter adjustment	-5 / +5	-5 / +5
Detection Distance, m	2300	2300
<b>DISPLAY</b>		
Type	AMOLED	AMOLED
Resolution, pixels	1920x1080	1920x1080
<b>DETACHABLE IR-ILLUMINATOR</b>		
Type	LED	LED
Wavelength, nm	905	850
<b>VIDEO RECORDER</b>		
Video / Photo Resolution, pixels	1440x1080	1440x1080
Video / Photo Format	.mp4/.jpg	.mp4/.jpg
Built-In Memory Capacity	64 GB	64 GB
<b>LASER RANGEFINDER</b>		
Wavelength, nm	905	905
Max. measuring range, m	1500	1500
<b>OPERATIONAL SPECIFICATIONS</b>		
Battery Type	Li-Ion Battery pack APS5	Li-Ion Battery pack APS5
Power Supply, V	3.7	3.7
External Power Supply, V	5V, 9V	5V, 9V
Battery Life at 22°C, hrs	10	8
Environmental Rating	IP67	IP67
Operating Temperature	-25°C to +50°C	-25°C to +50°C
Dimensions, mm	207 x 132 x 72.5	207 x 132 x 72.5
Weight w/o Batteries, kg	1	1