



## Multispectral Binoculars

# SYMBION LRF

Multispectral binoculars with built-in laser rangefinder.

### Features

- Multispectral image – digital and thermal
- 24/7 use - day night twilight
- Combined multispectral Picture-in-Picture modes
- 4K Digital full-color sensor
- HD 1280×1024/12μm premium thermal imaging sensor (For XT50 model)
- Built-in powerful laser rangefinder
- Focusable infrared illuminator
- Photo/video recording with sound
- Image stabilization
- Optimized for one-hand use
- Stream Vision 2 mobile app support
- New user-friendly graphic interface



Mobile App  
**STREAM VISION 2**

Download on the  
App Store  
GET IT ON  
Google Play

## Technical Specifications

	SYMBION LRF DXR50	SYMBION LRF DXT50
<b>Model # (SKU)</b>	77458	77456
Frame Rate, Hz	50	50
Microbolometer Resolution, pixels	640×480	1280×1024
Sensor NETD, mK	<35	<40
System NETD, mK	<18	<20
Pixel Pitch, μm	12	12
Display Type	AMOLED	AMOLED
Display Resolution, pix.	1920×1080	1920×1080
Video & Photo Recorder	Yes	Yes
Built-in Memory, GB	64	64
USB, type	USB Type-C	USB Type-C
Wi-Fi Waveband	2.4Ghz / 5Ghz	2.4Ghz / 5Ghz
Bluetooth	Yes	Yes
<b>Thermal imaging channel</b>		
Magnification, x	4–32	2–24
Objective Lens	50mm / F1.0	50mm / F1.0
Field of View, ° (horizontal)	8.8	17.5
Field of View, m @ 100m	15.4	30.7
Detection Range of Thermal Imaging Channel, m	2300	2300
<b>Digital channel</b>		
Magnification, x	6.5–26	6.5–26
Focal Length	50mm	50mm
Field of View, ° (horizontal)	5.8	5.8
Field of View, m @ 100m	10.2	10.2
Digital Zoom, x	2 / 4 / 8	2 / 4 / 8
Eye Relief, mm	13	13
Diopter Adjustment, dptr.	-5 / +5	-5 / +5
Sensitivity Levels	Normal / High / Ultra	Normal / High / Ultra
Color Palettes	9	9
Image Enhancement	Smoothing filter	Smoothing filter
Sleep Mode	Yes	Yes
Automatic Shut-off	Yes	Yes
Mobile Application	Stream Vision 2 Stream Vision Ballistics	Stream Vision 2 Stream Vision Ballistics
Built-in Rangefinder	Yes	Yes
Laser Wavelength, nm	905	905
Measurement Range, m	1500	1500
Accuracy of Range Measurement, m	±1	±1
Battery Type	APS5	APS5
Battery Life from 2 APS 5 Battery Packs at t=22 °C, hour	10	8
External Power	5V / 9V USB Type-C Power Delivery	5V / 9V USB Type-C Power Delivery
Housing Material	Magnesium alloy	Magnesium alloy
Tripod Mount, inch	1/4"	1/4"
Operating Temperature, °C	-25 ... +50	-25 ... +50
Level of Protection	IP67	IP67
Calibration	Manual / Auto / Semi-auto	Manual / Auto / Semi-auto
Dimensions, mm	207 × 132 × 72.5	207 × 132 × 72.5
Weight with Battery, kg	1	1