

Explore in HD

Thermal imaging binoculars with built-in laser rangefinder

MERGER LRF XT50

Merger LRF XT50 introduces the new premium model to Merger product line of thermal imaging binoculars setting the new level for quality in top class.

Features

- Premium HD thermal imaging sensor 1280×1024/12μm
- Comfortably wide field of view 17.5°
- Detailed and sharp image on high zoom
- Lossless pixel to pixel image transfer
- Image stabilization
- 2300 m range for hot object detection
- Comfort of observation with two eyes
- Classic ergonomic binocular design
- Precise laser range finding up to 1500 m
- Built-in photo and video recorder with 64GB of memory



Technical Specifications

MERGER LRF XT50	
Model # (SKU)	77486
Microbolometer resolution, pixels	1280x1024
Pixel pitch, μm	12
NETD, mK	<40
Display type	AMOLED
Display resolution, pix.	1280x960
Built-in video recorder	Yes
Format and resolution of video clip	.mp4/1280x960
Format and resolution of photo files	.jpg/1280x960
Type & capacity of memory card	eMMC 64 Gb
USB, type	USB Type-C
Wi-Fi, type	2.4/5Ghz
Detection range, m	2300
Laser rangefinder wavelength, nm	905
Measurement range, m	1500
Measurement accuracy, m	+/- 1
Measurement mode	Single time/Scanning
Battery type	Dual Li-Ion internal + Pulsar APS3 external
Battery life, h	6
External power supply, V	5V/9V USB Type-C
Magnification, x	2 - 16
Objective lens, mm	50mm/F1.0
Field of view, °/m@100 m	17.5/30.7
Eye relief, mm	15
Diopter adjustment, dptr.	-5/+4
Interpupillary distance, mm	63 - 74
Operating temperature, ° C	- 25 - +50
Level of protection	IPX7
Waterproofness	Yes
Dimensions (L x W x H), mm	197×140×72
Weight (with battery), kg	0.95