



# MERGER LRF XL50

Thermal Imaging Rangefinding Binoculars

**THERMAL  
IMAGING**

## Technical Specifications

Model	PL77481
Sensor Resolution (px)	1024×768
Sensor Type	Uncooled ASi
Display Resolution (px)	1024×768
Display Type	AMOLED HD
Sensor NETD (mK)	<40
Pixel Pitch (µm)	12
Objective Lens	F50 / 1.0
Magnification (x)	2.5-20
Field Of View (°)	14
Detection Range (yds)	2500
Built-in Memory (GB)	64
Battery Type	Dual Li-Ion: 3.2 A·h (external) / 4.0 A·h (internal)
Battery Life (hrs)	7
External Power Supply	USB-C (quick-charge supported)
Operating Temperature (°F)	-13 - 122°
IP Rating	IPX7
Dimensions (in)	7.7×5.5×2.8
Body Material	Aluminum Alloy
Weight (oz)	33.5



## Features

- HD 1024x768 @ NETD < 40 mK high-sensitivity thermal imaging sensor
- Classic design. Compact size
- Comfortable viewing experience
- Precise laser rangefinder with 1000+ yds measuring distance
- Fast aperture F50/1.0 germanium lens
- Detection range up to 2500+ yds
- Two independent batteries. Up to 7 hours of continuous work
- High-contrast HD AMOLED displays
- Full-featured: video recording, WiFi, Stream Vision 2 app compatibility
- 8 Color palettes
- IPX7 Fully waterproof