



MERGER LRF XP50

Thermal Imaging Rangefinding Binoculars

Features

- Classic design. Compact size
- Comfortable viewing experience
- Precise laser rangefinder with 1000 m measuring distance
- High definition thermal imaging with 640x480 pixel @ < 25 mK NETD sensor
- Latest image processing algorithms
- Fast aperture F50/1.0 germanium lens
- Detection range up to 1800 m
- Two independent batteries. Up to 10 hours of continuous work
- 2.5x-20x variable magnification
- Rugged magnesium alloy housing
- Built-in photo and video recorder
- Stream Vision 2. Wi-Fi integration with iOS and Android devices
- Improved Wi-Fi connectivity with 2.4 / 5 GHZ waveband support
- High-contrast HD AMOLED displays
- A selection of 8 color palettes
- IPX7 waterproof rated
- Wide range of operating temperature (-25 to +50°C)

Specifications

Merger LRF XP50	
Model # (SKU)	77465
Microbolometer resolution, pix.	640x480
Frame rate, Hz	50
Sensor NETD, mK	<25
Pixel pitch, μm	17
Display type	AMOLED
Display resolution, pix.	1024x768
Built-in photo & video recorder	Yes
Built-in memory, GB	16
Built-in Wi-Fi module	2.4 / 5 GHZ
Mobile application support	Stream Vision 2
Magnification, x	2.5-20
Digital zoom, x	2/4/8
Lens focal length, mm	50
Relative aperture, D/f'	1:1
Field of view, $^{\circ}$	12.4
Interpupillary distance, mm	56-71
Diopter adjustment, dptr.	+5/-5
Detection range, m	1800
Laser rangefinder wavelength, nm	905
Measurement range, m	1000
Measurement accuracy, m	+/- 1
Measurement mode	Single time/Scanning
Battery type	Built-in Li-Ion + removable Pulsar APS3 Li-Ion
Battery life, h	10
External power supply	5V (USB Type-C)
Operating temperature, $^{\circ}\text{C}$	- 25 ... +40
Level of protection (acc. to IEC 60529)	IPX7
Dimensions, mm	196x143x76
Weight, kg	0.8