

ThermTec

VIDAR LRF 2.0 Series
Thermal Imaging

Thermal Imaging Scope Vidar650L 2.0

Technical Specifications



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VIDAR 650L 2.0

Key Features

- Video recording, and snapshot, built-in memory chip up to 64GB.
- 640*512 thermal resolution, NETD less than 18mK.
- Outstanding distance measuring capacity reaches 1200m.
- Two batteries enter to unprecedented 16-hour.
- A newly added shutter facilitates fast calibration.
- 1x--4x smooth or rapid zooming improves various experiences.
- Offer 5 different reticle colors to meet users' needs for visibility and contrast in various environments.
- Cutting-edge trajectory technology achieves even precise shooting at any distance.
- 1024*768 resolution with 0.39-inch OLED display.
- Picture in picture & RAV function.
- Polarity reversal for crosshairs.
- More APP-based features and extensions.

Applications

- Night hunting
- Observation

Specifications



Model	Vidar650L 2.0
Microbolometer	
Type	Uncooled
Resolution	640x512
Pixel pitch	12μm
NETD	≤18mK
Spectral range	8-14μm
Frame rate	50HZ
Detection Range	2600m
Optics	
Objective lens	50mm, F1.0
Field of view	8.8° x 7.0°
m@100m	15.4x12.3
Magnification	2.8X
Digital zoom	1.0-4.0X smooth & rapid zoom
Eye relief	45mm
Exit pupil	6mm
Diopter	±5D
Aiming Reticle	
Reticle	7
Reticle color	5, Black, white, red, green, blue
Display	
Type	AMOLED
Resolution	1024x768
Display size	0.39 inch
Color palette	6

Function	
Max. recoil power on rifled weapon	6000J
RAV	Yes
Audio Recording	Yes
Auto zeroing	Yes
Manual zeroing	Yes
Zeroing profiles	5
Freeze Zeroing	Yes
Picture-in-picture	Yes
Laser ranging	1200m
Ballistic Calculator	Yes
Image calibration	Manual/Auto
Video Recorder	
Phone/video playback	Yes
Inbuilt memory	64GB
Interface	
Magnetic interface	Data transfer
Hotspot	Yes
Battery	
Battery type	Replaceable, 2*18650
Battery life	16h
Environment	
Operating temperature	-20- +50°C
IP rating	IP67
Weight, g	687
Size, mm	200.9*107*72
Accessories	
External cable	Magnetic interface data cable
Other accessory	Standard Picatinny rail, eyeshade, charger and etc.

Accessories



Picatinny rail(X1)



Allen key(X1)



Small allen key(X1)



Lithium battery(X4)



T2.9 Screw(X3)



Eyepiece hood(X1)



Magnetic charging wire(X1)



Charger(X1)



Lens cloth(X1)

Dimension

Unit: mm

