

# 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
<b>Microbolometer</b>	
Type	Uncooled
Resolution	640x512
Pixel pitch	12μm
NETD	≤18mK
Spectral range	8-14μm
Frame rate	50HZ
Detection Range	2600m
<b>Optics</b>	
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
<b>Aiming Reticle</b>	
Reticle	7
Reticle color	5, Black, white, red, green, blue
<b>Display</b>	
Type	AMOLED
Resolution	1024x768
Display size	0.39 inch
Color palette	6

<b>Function</b>	
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
<b>Video Recorder</b>	
Phone/video playback	Yes
Inbuilt memory	64GB
<b>Interface</b>	
Magnetic interface	Data transfer
Hotspot	Yes
<b>Battery</b>	
Battery type	Replaceable, 2*18650
Battery life	16h
<b>Environment</b>	
Operating temperature	-20- +50°C
IP rating	IP67
Weight, g	687
Size, mm	200.9*107*72
<b>Accessories</b>	
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)



Replaceable  
Lithium battery(X2)



T2.9 Screw(X3)



Eyepiece hood(X1)



Magnetic charging wire(X1)



Charger(X1)



Lens cloth(X1)

# Dimension

Unit: mm

