



**Vidar Series**  
Thermal Imaging

**Thermal Imaging scope  
Vidar650L**

**Technical  
Specifications**



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# VIDAR 650L

## Key Features

- Compact design, video recording and snapshot, built-in memory chip up to 64GB;
- 640\*512 thermal resolution, NETD $\leq$ 25mk;
- Automatic object detection and laser ranging distance measurement up to 1,200m;
- Accurate ballistic calculation;
- Picture in picture & RAV function;
- 1x--5x continuous digital zoom;
- Various pseudo colors and crosshair function;
- Polarity reversal for crosshairs, easy battery installation;
- 1024\*768 resolution with 0.39 inch OLED display;
- Up to 10h continuous working for lithium battery

## Applications

- Night hunting
- Observation
- Rescue operations
- Hiking and traveling

# Specifications



Model		Vidar650L
Type	Uncooled	
Resolution	640x512	
Pixel pitch	12μm	
NETD	≤25mk	
Spectral range	8-14μm	
Frame rate	50HZ	
Optics		
Objective lens	50mm, F1.0	
Field of view	8.8°x7°	
Magnification	2.7X	
Digital zoom	1.0-5.0X smooth & rapid zoom	
Eye relief	45mm	
Exit pupil	6mm	
Diopter	±5D	
Aiming Reticle		
Click range, mm @100 m (H/V)	3.6m/3.6m	
Reticle	7	
Rectile color	Black and white	
Display		
Type	AMOLED	
Resolution	1024x768	
Display size	0.39 inch	
Color palette	6	

Function	
Max. recoil power on rifled weapon	6,000J
Mounting brackets on weapon	Standard Picatinny Rail
RAV	Yes
Auto zeroing	Yes
Manual zeroing	Yes
Zeroing Profiles	5
Picture-in-picture	Yes
Laser rangefinder	1,200m
Ballistic calculator	Yes
Image calibration	Via lens cover
Video Recorder	
Photo/video playback	Yes
Built-in memory	64GB
Interface	
Magnetic interface	Data Transfer
Wi-Fi	Yes
Battery	
Replaceable battery	18650x2
Battery reverse connection	Yes
Battery life	10h
Environment	
Operating temperature	-20°C—+50°C
IP rating	IP67
Weight, g	750
Dimension, mm	203(L) x 100(W) x 87(H)
Accessories	
Magnetic cable	Magnetic interface data cable
Other accessories	Standard Picatinny Rail, eyeshade, etc.

# Accessories



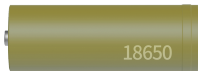
Picatinny rail(X1)



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

