



**VIDAR 2.0 Series**  
Thermal Imaging

## Thermal Imaging Scope Vidar650 2.0

## Technical Specifications



ThermTec Technology Co., Ltd.  
Email: [info@thermeyertec.com](mailto:info@thermeyertec.com)  
Website: <https://www.thermeyertec.com>



# VIDAR 650 2.0

## Key Features

- Video recording, and snapshot, built-in memory chip up to 64GB.
- 640\*512 thermal resolution, NETD less than 18mK.
- 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		Vidar650 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
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	625
Size, mm	200.9*95.7*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

