

VIDAR 2.0 Series **Thermal Imaging** 

**Thermal Imaging Scope** Vidar650 2.0

**Technical Specifications** 











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## **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

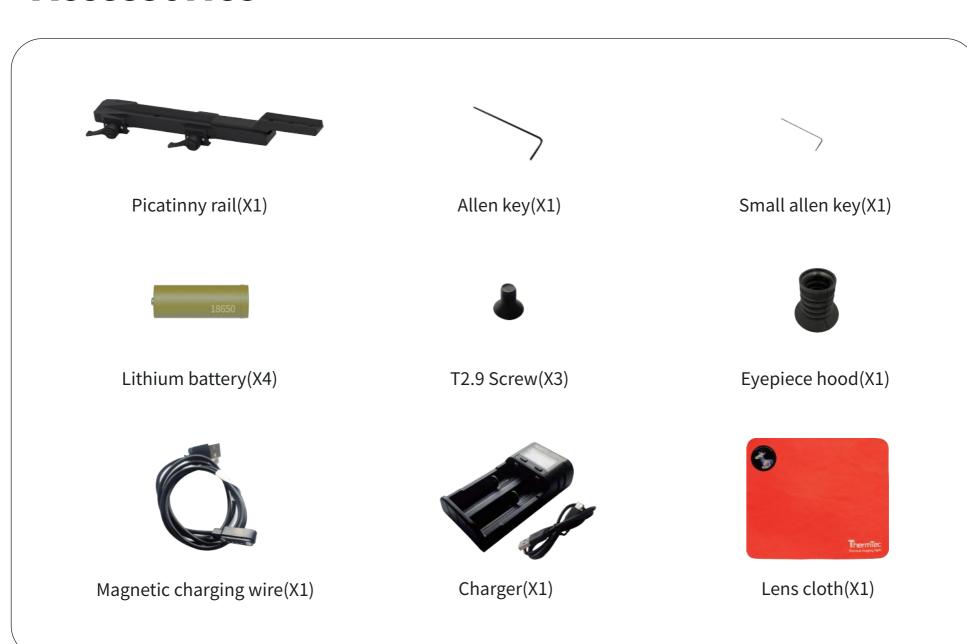
# Specifications

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Model	Vidar650 2.0		
Microbolometer			
Туре	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			
Туре	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**



## **Dimension**

Unit: mm

