ThermTec

ARES 2.0 Series
Thermal Imaging

Thermal Tube Scope
Ares650 2.0

Technical Specifications



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Ares650 2.0

Key Features

- 640*512 thermal resolution, NETD⩽18mK;
- 5 colors and 7 reticle choices for reticle options;
- Freeze and zoom of zeroing improve shooting accuracy.;
- Automatic object detection and distance measurement;
- Self-learning image calibration;
- Ultra-long battery life reaches to 16hrs;
- 5 zeroing profiles meet various needs;
- RAV function allows recording every terrific shot;
- Rotary knob design;

Applications

- Night hunting
- Observation

Specifications

Model	ARES650 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	50mm
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
Mounting brackets on weapon	Standard 30mm rings
RAV	Yes
Audio Recording	Yes
Auto zeroing	Yes
Manual zeroing	Yes
Zeroing profiles	5
Freeze Zeroing	Yes
Picture-in-picture	Yes
AI ranging	Yes
Image calibration	Manual/Auto
Video Recorder	
Phone/video playback	Yes
Inbuilt memory	64GB
Interface	
Type C	Data transfer
Hotspot	Yes
Battery	
Battery type	Replaceable, 1*18650 or 18500 battery,1*18650 inbuilt battery
Battery reverse connection	Yes
Battery life	16h
Environment	
Operating temperature	-20- +50°C
IP rating	IP67
Weight, g	873
Size, mm	404.8*84.7*84.9
Accessories	
External cable	USB data cable
Other accessory	2x standard 30mm rings, eyeshade and etc.

Accessories



Scope (x1)



18650 battery cap (x1)



USB cable (x1)



Eyeshade (x1)



18500 battery cap (x1)



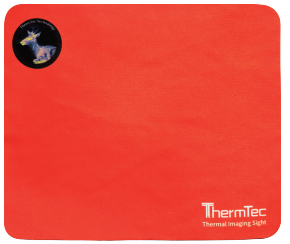
30mm tube clip (x2)



Lithium battery (x2)



Charger(X1)



Lens cloth (x1)

Dimension

Unit: mm

