



ARES2.0 Series
Thermal Imaging

Thermal Tube Scope Ares660 2.0

Technical Specifications



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Ares660 2.0

Key Features

- 640*512 thermal resolution, NETD \leq 20mK;
- 20/60mm Lens, Dual Field of View;
- 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 | ARES660 2.0 |
|-----------------|-----------------------------------|
| Microbolometer | |
| Type | Uncooled |
| Resolution | 640x512 |
| Pixel pitch | 12μm |
| NETD | ≤20mK |
| Spectral range | 8-14μm |
| Frame rate | 50HZ |
| Detection Range | 1000/3000m |
| Optics | |
| Objective lens | 20/60mm, F1.0 |
| Field of view | 21.7°x17.4°/ 7.3°x5.9° |
| m@100m | 38.4x30.7/12.8x10.2 |
| Magnification | 1.1X/3.2X |
| Digital zoom | 1.0-4.0X smooth & rapid zoom |
| Eye relief | 50mm |
| Exit pupil | 6mm |
| Dioptr | ±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 | 1072 |
| Size, mm | 435.7*89.5*92.9 |
| 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)



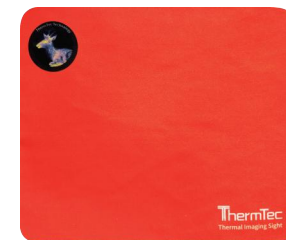
30mm tube clip (x2)



Lithium battery (x2)



Charger(X1)



Lens cloth (x1)

Dimension

Unit: mm

