

Datasheet

Game Changer

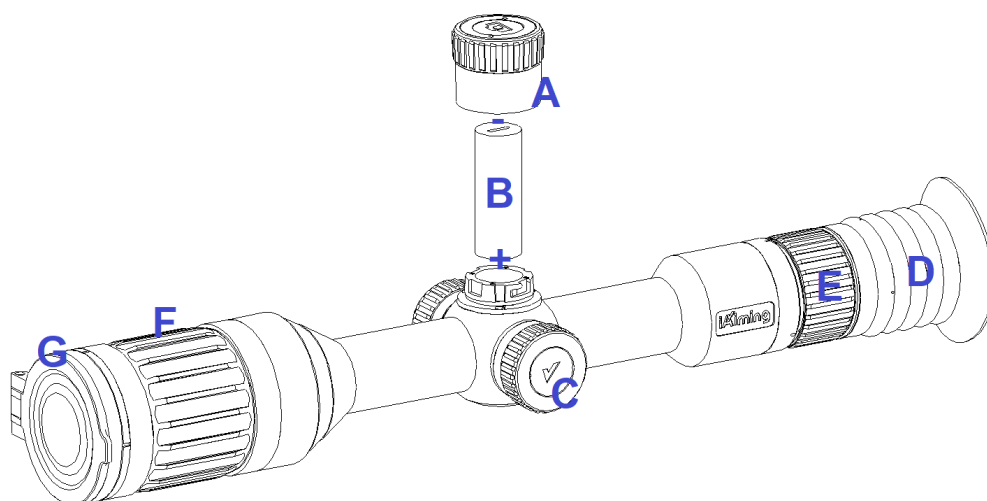
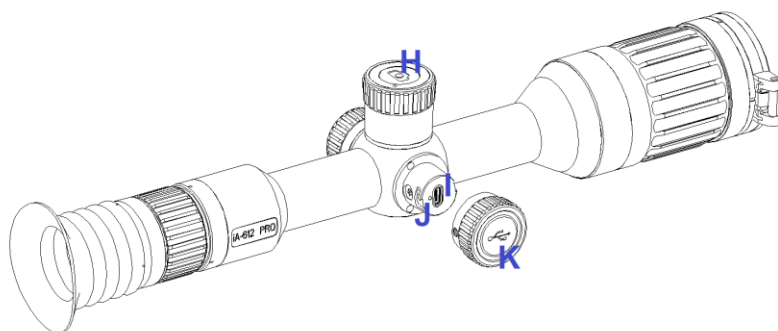
IA PRO Smart Thermal Rifle Scope

Package contents

Thermal scope, 18500 Battery x 1, Battery Charger x 1, Type-C Cable x 1, Lens Brush, Lens Cloth, User Manual, Carry Bag.

Product structure

- A. Battery compartment cover
- B. Battery 18500
- C. Power 'select and scroll' dial
- D. Eyeshade
- E. Diopter adjustment ring
- F. Lens focusing knob
- G. Lens cover
- H. Photo/Video Record button
- I. USB Type-C port
- J. Charging indicator
- K. Interface protection cover



Specifications

| Model Number | iA-312 PRO | iA-612 PRO |
|-------------------------------------|---|----------------|
| Sensor | | |
| Sensor Type | VOx Uncooled | |
| Sensor Resolution | 384×288 | 640×512 |
| Pixel Pitch | 12μm | 12μm |
| NETD | ≤40mk | ≤30mk |
| Frame Frequency | 50Hz | |
| Optics | | |
| Objective Lens | 35mm | 50mm |
| Angle of View | 7.5°×5.6° | 8.8°×7.0° |
| Continuous Digital Zoom | 3.4X~13.6X | 2.8X~22.4X |
| Eye Relief | 48mm | |
| Diopter of Eyepiece | ±4 | |
| Display | | |
| Display type | AMOLED | |
| Resolution | 1024*768 | |
| Palette | White Hot/Black Hot/Ironbow/Glowbow/Sepia/ Red Hot/Green Hot | |
| Detection Range | | |
| Detection Distance (Human, 1.8m) | 1800m | 2600m |
| Reticle | | |
| Adjust Accuracy | 0.12mil | 0.15mil |
| Adjust Range | 62.5 × 46.6mil | 73.2 × 58.6mil |
| Reticle Type | 10 types | |
| Video Recorder | | |
| Video Resolution | 1024*768 | |
| Video Format | mp4/jpg | |
| Built-in Memory | 32GB | |
| WIFI | | |
| Wireless Protocol | Wi-Fi | |
| Wireless Standard | 802.11b/g/n | |
| Frequency | 2.4GHz | |
| Connection range | ≤10m | |
| Power Supply | | |
| Output Voltage | 3~4.2V | |
| Battery Type | Built-in 18650 Battery x 2, External 18500 Battery x 1, | |
| Capacity | 6400mAh (Built-in) + 2000mAh (External) | |
| Operating time | ≥13hrs. | ≥13hrs. |
| External power voltage | 5V | |
| Charging hours | Approx. 5hrs | |

| | | |
|--|------------------|-------|
| Build-in Battery charging temperature | 0~45°C | |
| Connections and Compatibilities | | |
| Max. Recoil power on rifles | 6000J | |
| Shock resistance on the smooth-bore rifles | 900G | |
| Mounting type | 30mm scope rings | |
| Physical Characteristics | | |
| Body Material | Aluminum alloy | |
| Weight (Mount & Eyeshade excluded) | 950g | 960g |
| Length (Mount & Eyeshade excluded) | 360mm | 365mm |
| Environmental Characteristics | | |
| Degree of Protection, IP code | IP66 | |
| Operating Temperature | -25°C ~ +50°C | |
| Storage Temperature | -50°C ~ +60°C | |