



TB Series

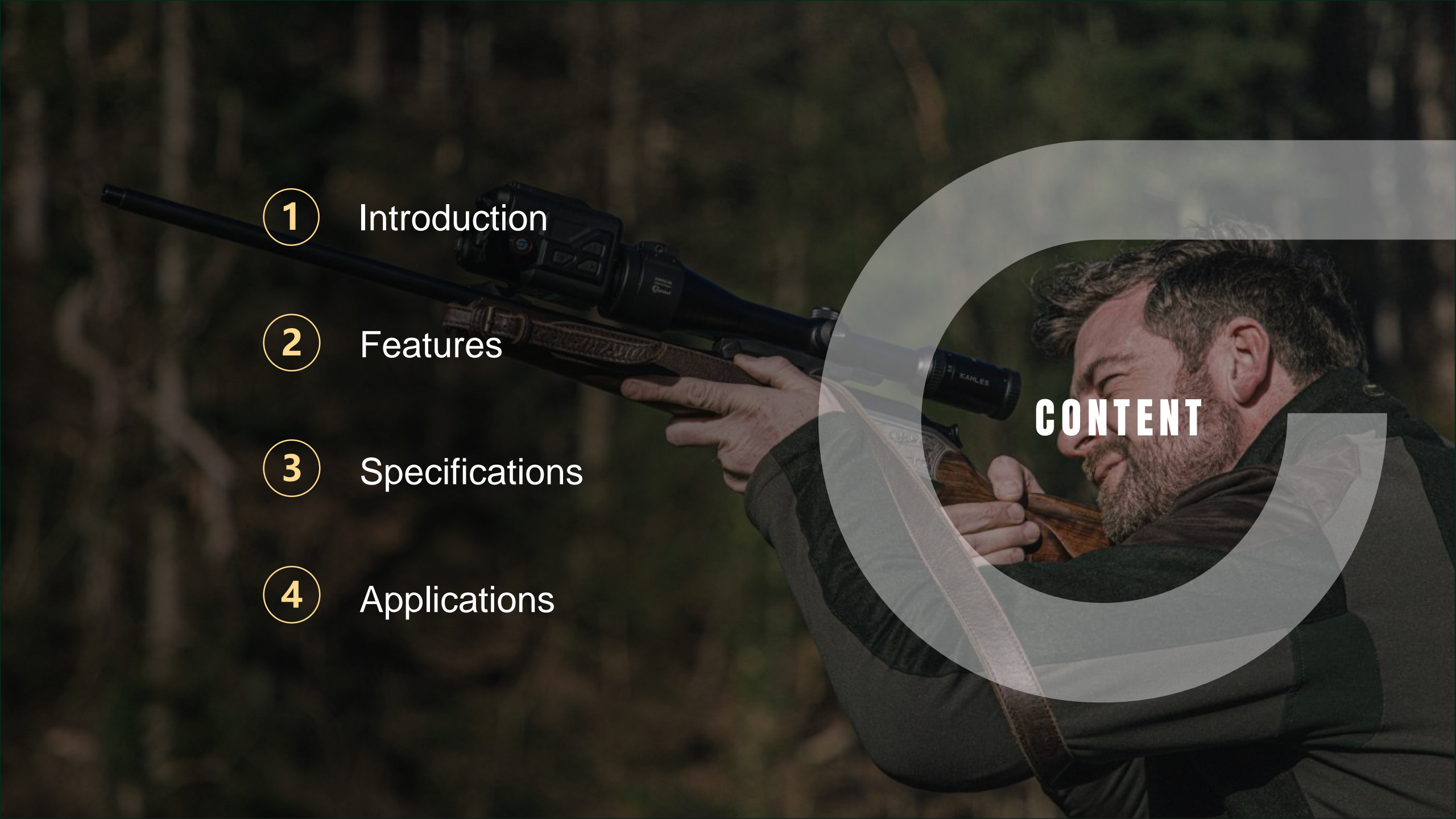
Clip-on Thermal Imaging Attachment

IP68: Conquering Wind and Rain

IP68

12hrs

420g

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CONTENT



1 Introduction





TB Series

Clip-on
Thermal Imaging Attachment

The TB Series perfectly balances precision and portability. The magnesium alloy housing decreases weight while increasing precision. The weights are over 20% lighter than those of other similar products. It is also more compact than our previous clip-on. Meanwhile, a Full-HD AMOLED display is capable, a wider viewing angle, and richer color. It is the ideal partner for relax hunting.



Transform your daytime scope into
a fully functional thermal sight!





Component illustration





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Features



TB Series

Clip-on Thermal Imaging Attachment

- Portable 420g
- Endurance 12h
- Reliable IP68 / 1000G
- Focusing Dual knobs
- Battery Blind-mountable





Lightweight

420g/425g/440g



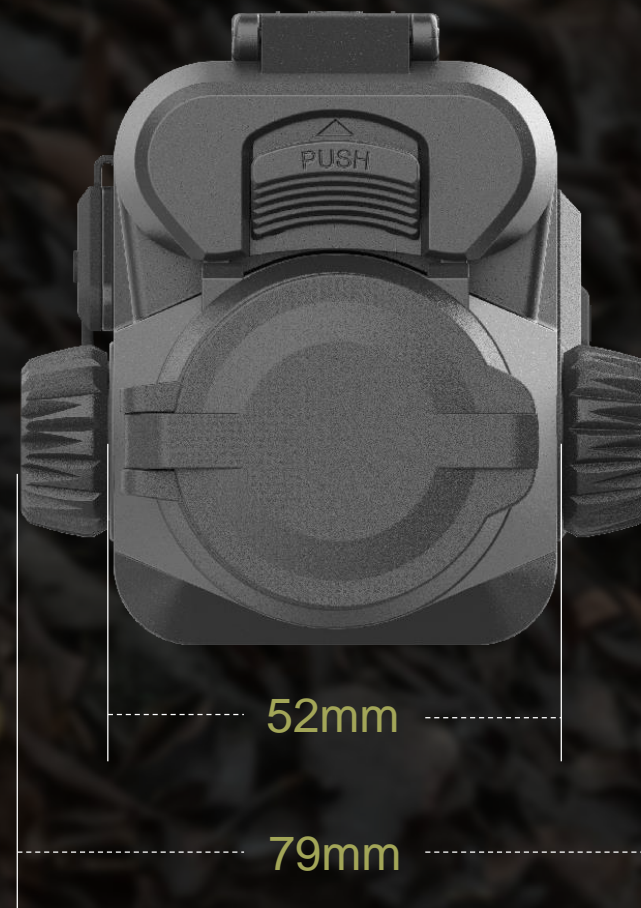
Robust Design

Magnesium Alloy



Slim size

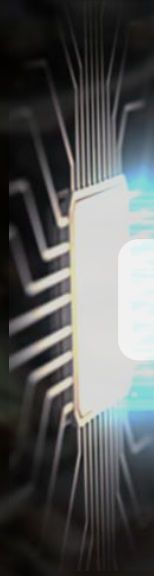
128×79×79 (52) mm





Thermal Sensor

12 μ m



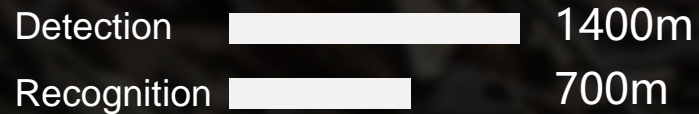
Aim farther and see better



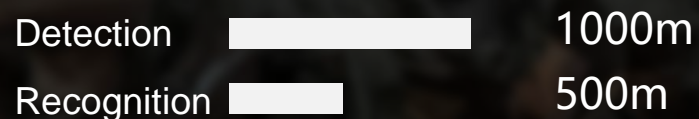
400×300@

Range performances

35mm



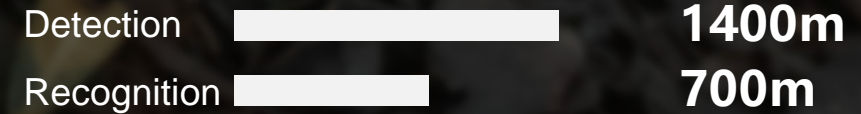
25mm



640×480@

Range performances

35mm





Low NETD

400×300@12μm

35mk



25mk



640×480@12μm

20mk

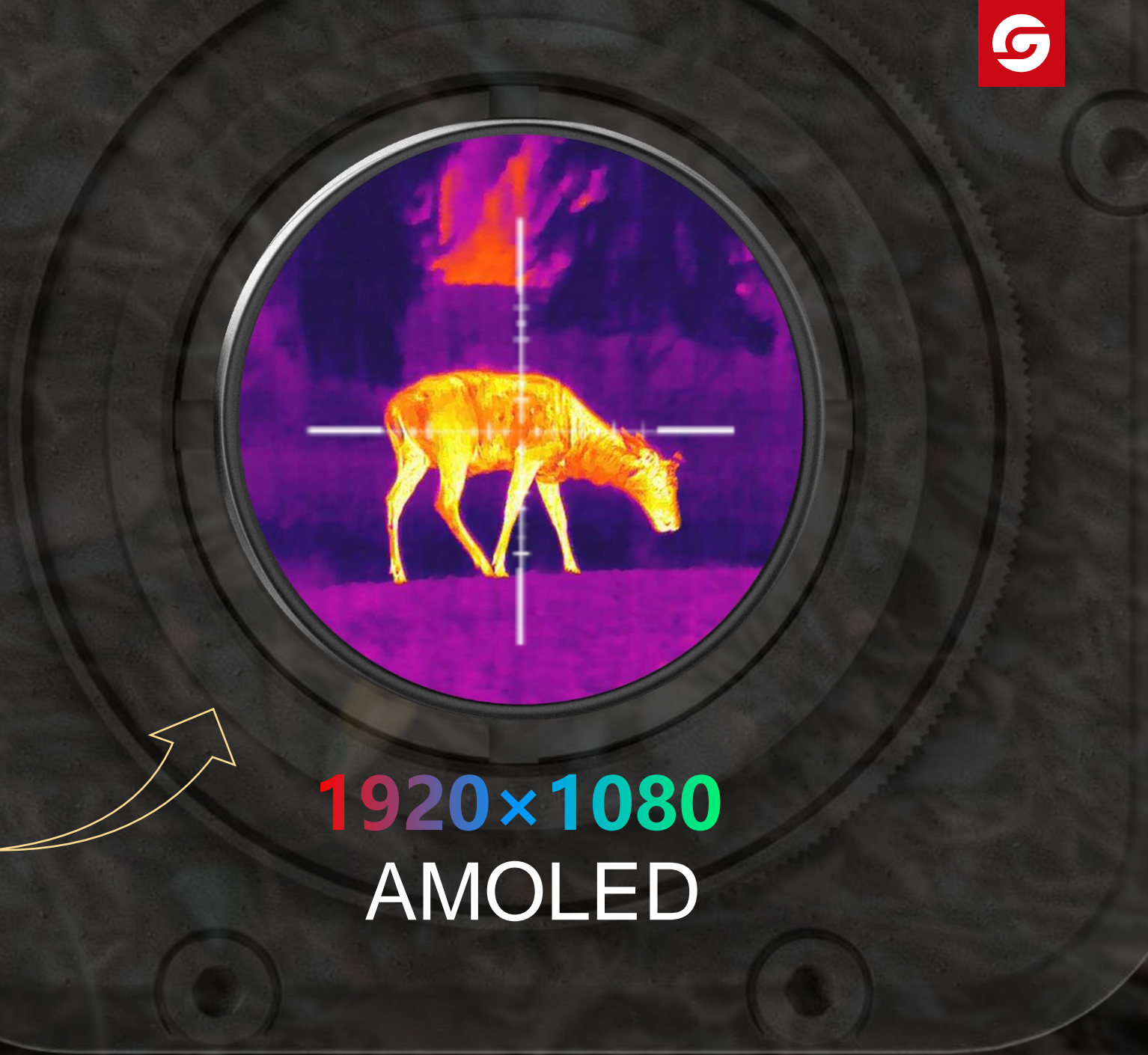




HD Display



1024×768
800×600



1920×1080
AMOLED



12h



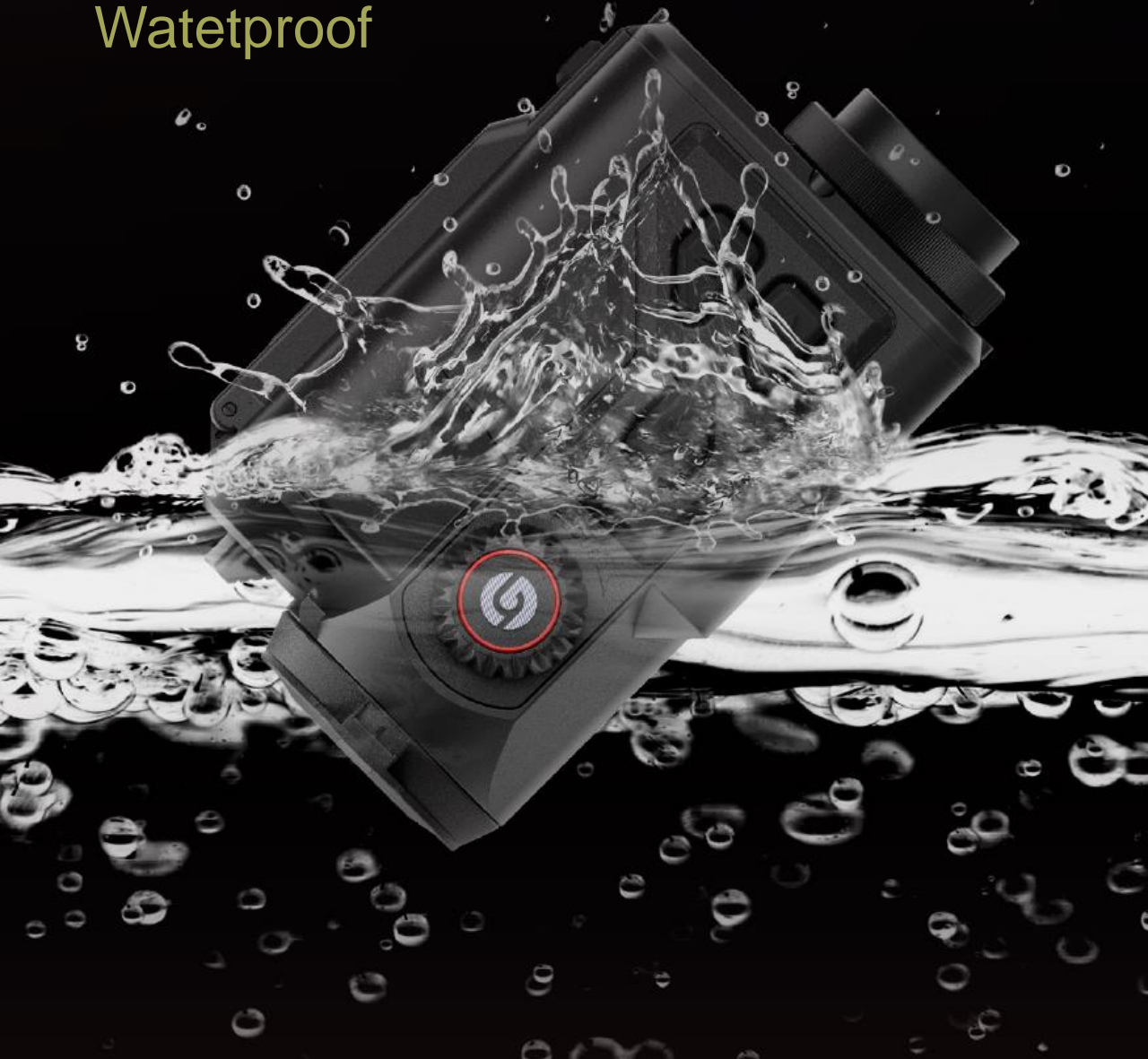
12-hour Battery Life

Laboratory Data

- 12-hour continuous observation at 25°C
- 10-hour continuous observation at -10°C

IP68

Watetproof



1000G/1ms

Anti-shock



A dark, stylized landscape illustration with rolling hills, trees, and deer. A target with a red bullseye is visible in the background.

**Unique design for
easy operation
in the darkness**

Operation



Distinguished button shapes

Separated function buttons



Easy focusing

Ambidextrous design for both left and right hands

Precise focusing

2.5 turns for focus fine-tuning



18650 battery

Utilizing standard 18650 batteries, equipped with a safety circuit protection design.

Blind-mountable

When replacing the batteries, simply ensure that the positive and negative poles of the two cells are oriented oppositely, reducing the burden of identification and memory.

Novel interaction, New experience





3 Specifications

Comparison



VS



Specifications



Product model	TB420	TB430	TB630
Resolution	400×300		640×512
NETD	25mK		20mK
Objective lens	25mm, F1.0		35mm, F1.0
Field of view	10.9°×8.2°	7.8°×5.9°	12.5°×9.4°
FOV m @100m	19×14	14×10	22×16
Magnification	1x		
Detection range	1000m/yd		1400m/yd
Display type	0.39" AMOLED 1920x1080		
WIFI	2.4G, 5G		
Memory capacity	32GB		64GB
Operating time	12 hours		10 hours
Shock	1000 G at 1 ms half sine pulse		
Encapsulation	IP68		
Weight (g / oz)	420 / 14.82	425 / 14.99	440 / 15.52
Size (mm / in)	128×79×79 / 5.04×3.11×3.11		



Accessories Introduction

Standard



A device



5V2A adapter (US, Britain, Australia and Europe)



Type C cable x1



18650 battery x2



Battery charger x1



Quick start guide x1



Warranty card x1

Optional



Bluetooth remote control



Cover ring adapter



18650 battery

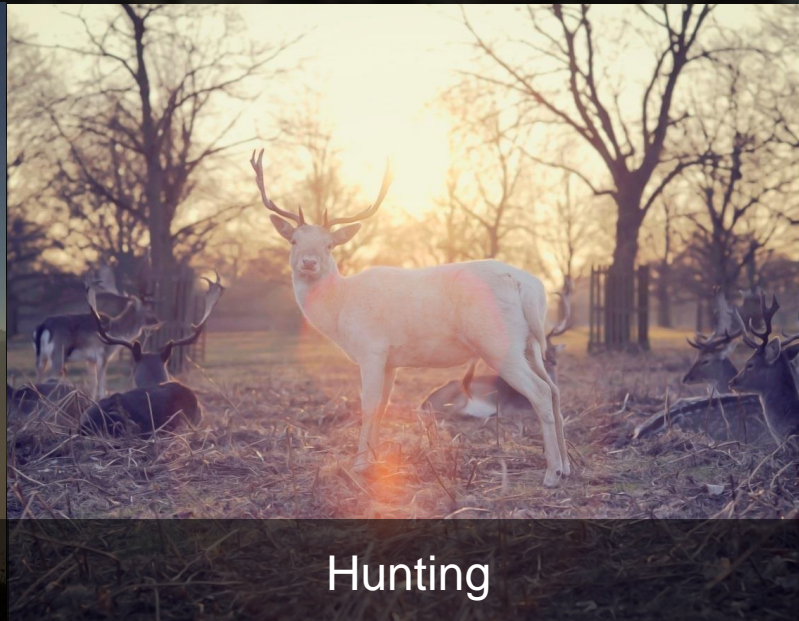


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Applications



Outdoor



Hunting



Search & Rescue



Livestock Breeding



Personal Security




Law Enforcement


THANKS!

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