CONOTECH

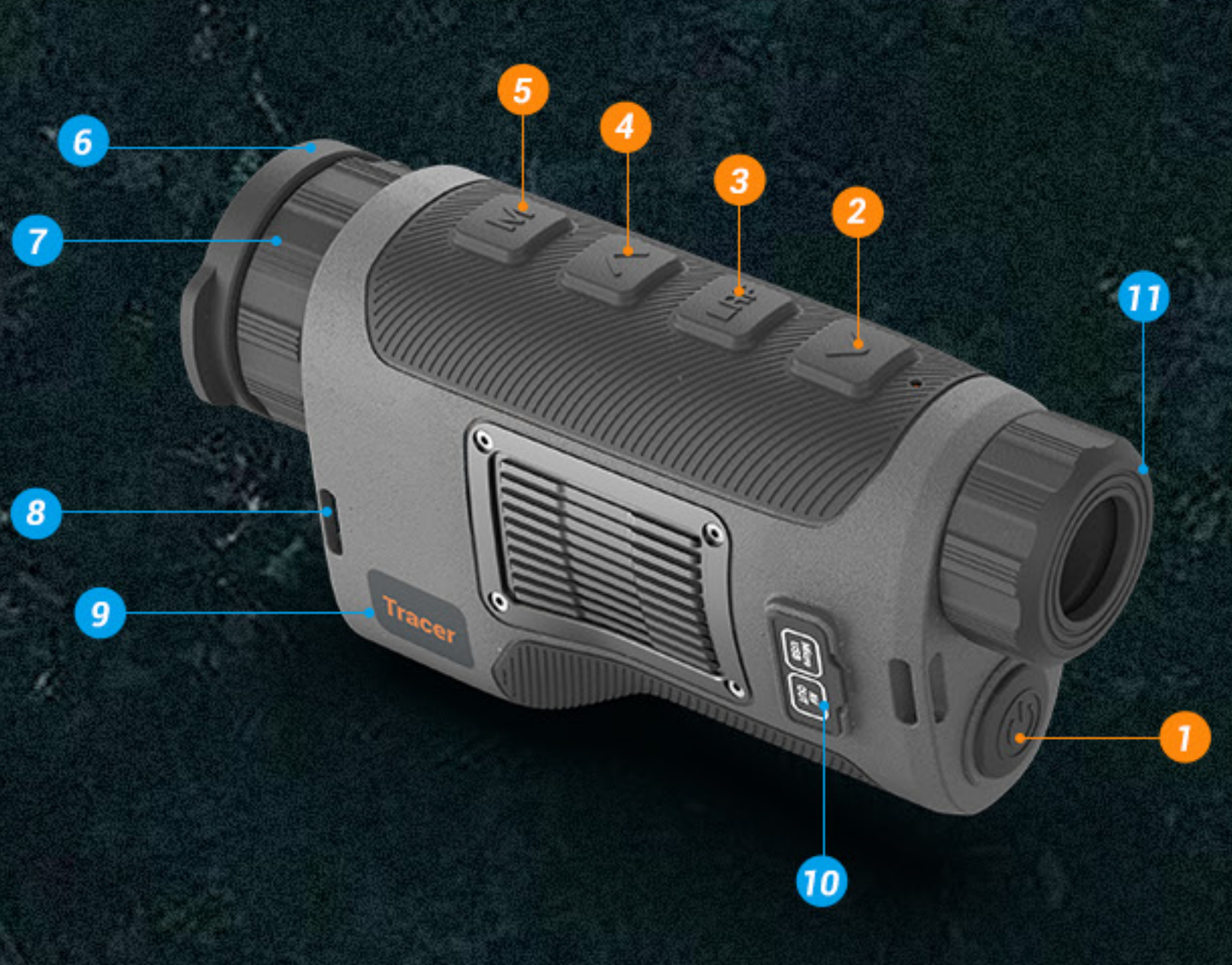
TRACER LRF

Monocular with Integrated LRF

- Wifi and on-board recording
- Built-in laser rangefinder
- High sensitive thermal image sensor
- User-friendly menu
- Waterproof

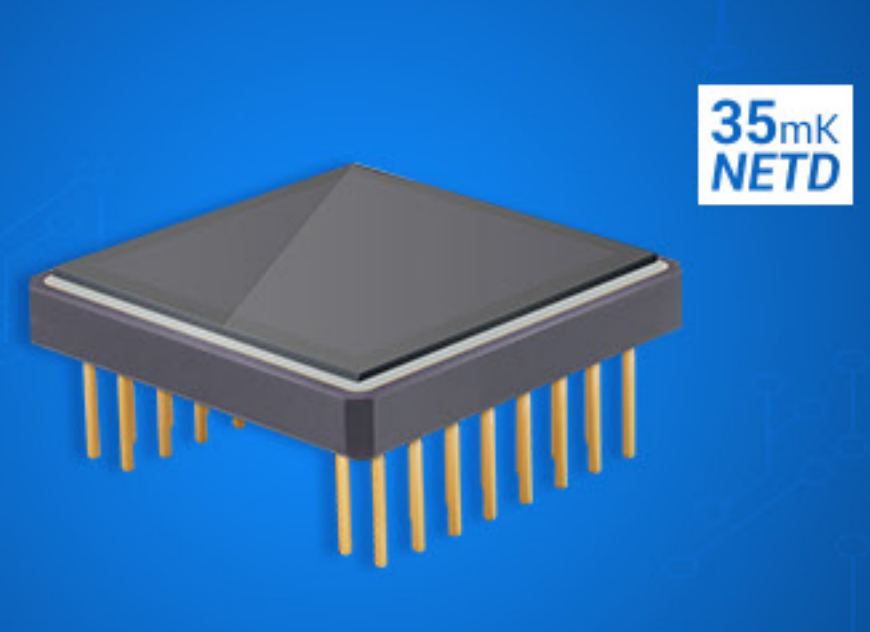
Ergonomic design

Tracer series has rugged, yet lightweight housing. It perfectly fits into user's hand. Small weight of the monocular makes it a perfect option for long outdoor trips when light yet capable unit is necessary.



1 2 3 4 5 Button operation	
6 Lens cover	7 Focus ring
8 Wrist band joint	9 Built-in laser rangefinder
10 Video out/USB	11 Eyepiece

High sensitive
Thermal image sensor



The units have high sensitive 35mK NETD thermal imaging sensor. This provides Tracer with the perfect detail recognition even when the thermal contrast of the surroundings is low - during the snow, dust, smoke, fog, haze, and other atmospheric obscurants.

IP67

IP67 waterproof-rated for protection from heavy rainfall, snow or other precipitation. The unit is designed to run flawlessly, even after submersion in up to **1** meter of water for up to **30** minutes.

Built-in
Laser rangefinder

Tracer is capable of accurately measuring distance to objects up to 1,000 meters away.

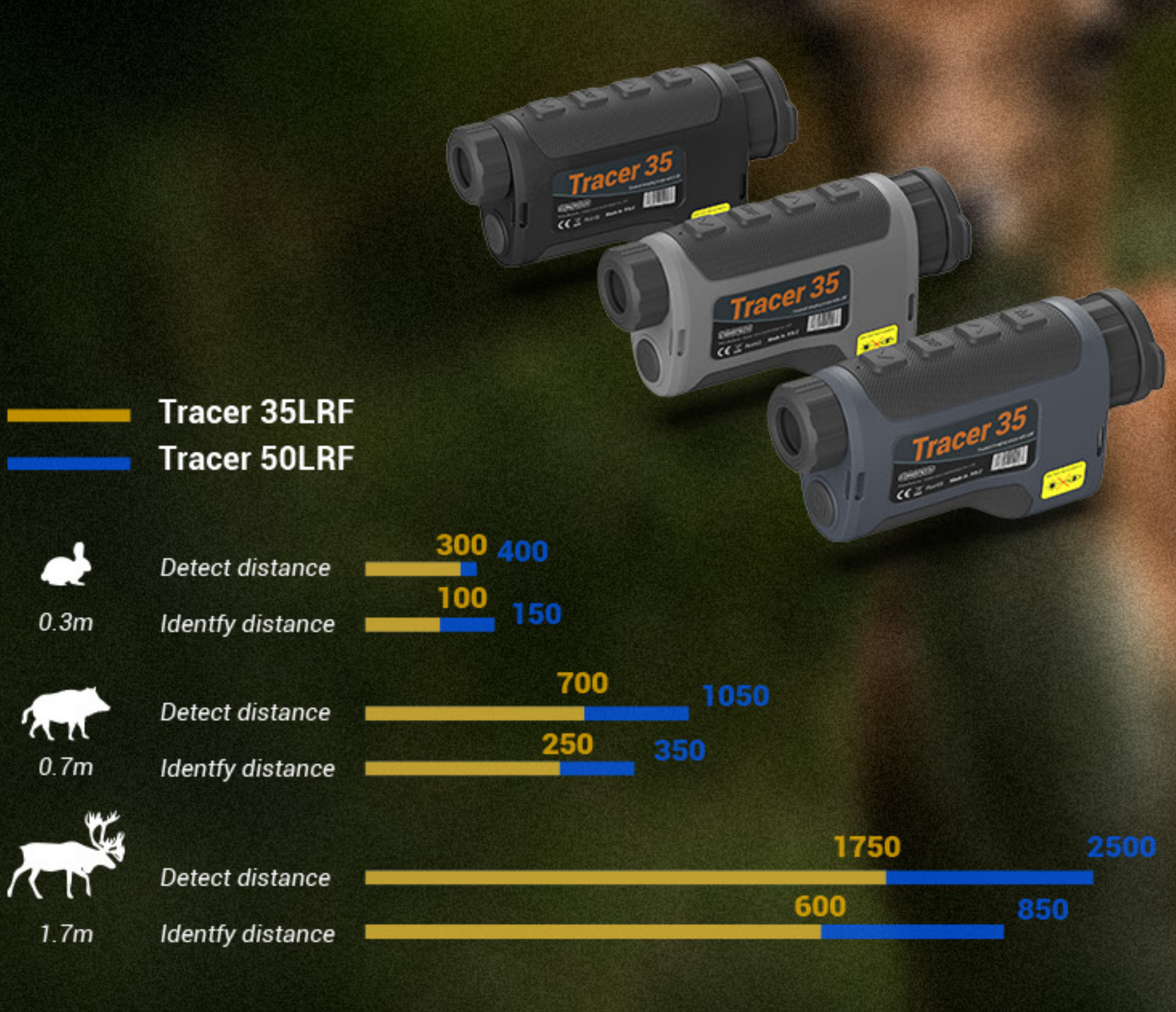
Wavelength: **905** nm
Max. measuring range: **1000** m
Measurement accuracy :**± 1**m
(Safety class for laser equipment according to IEC 60825-1:2014: 1)

The Integrated,precise laser rangefinder provides **3** modes:

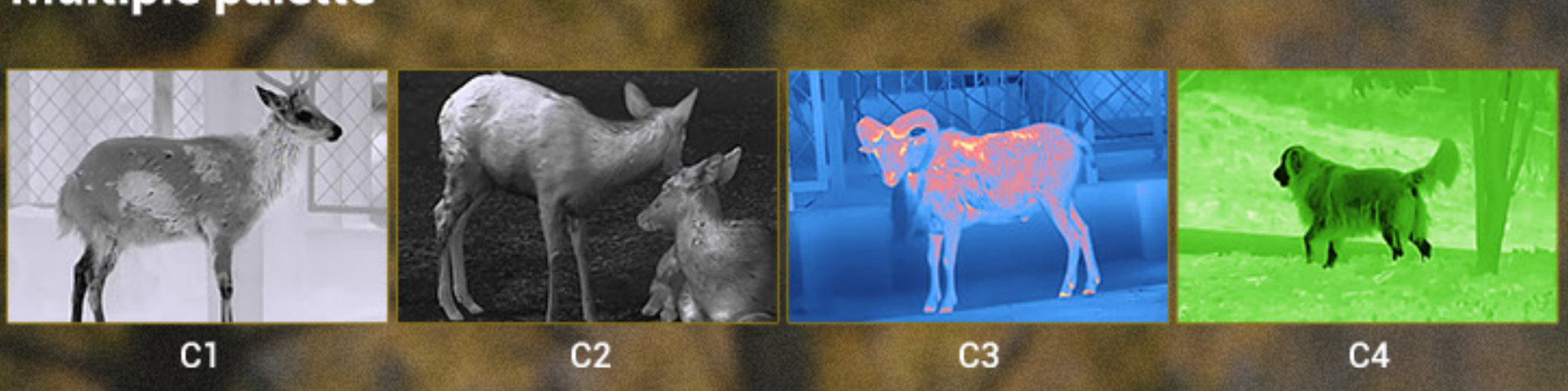
- Single time measurement mode
- Scanning mode
- High-humidity mode

Detection Range

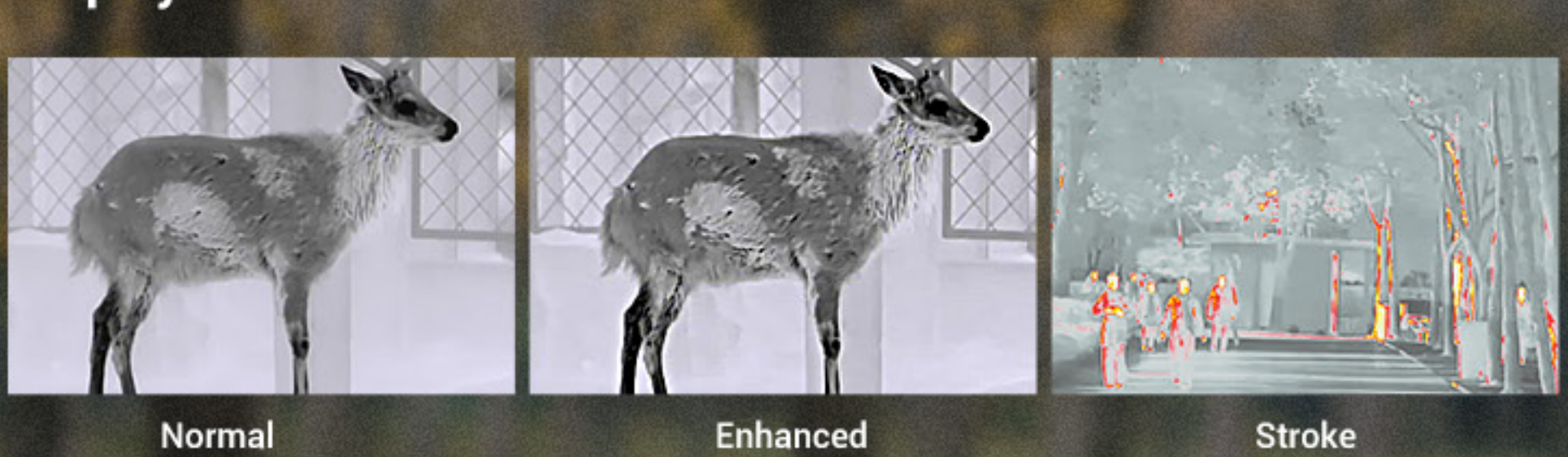
A powerful F35 /1.1 or F50/1.1 objective lens combined with a 384x288@17μm highly-sensitive thermal imaging sensor provides exceptional detection capabilities.



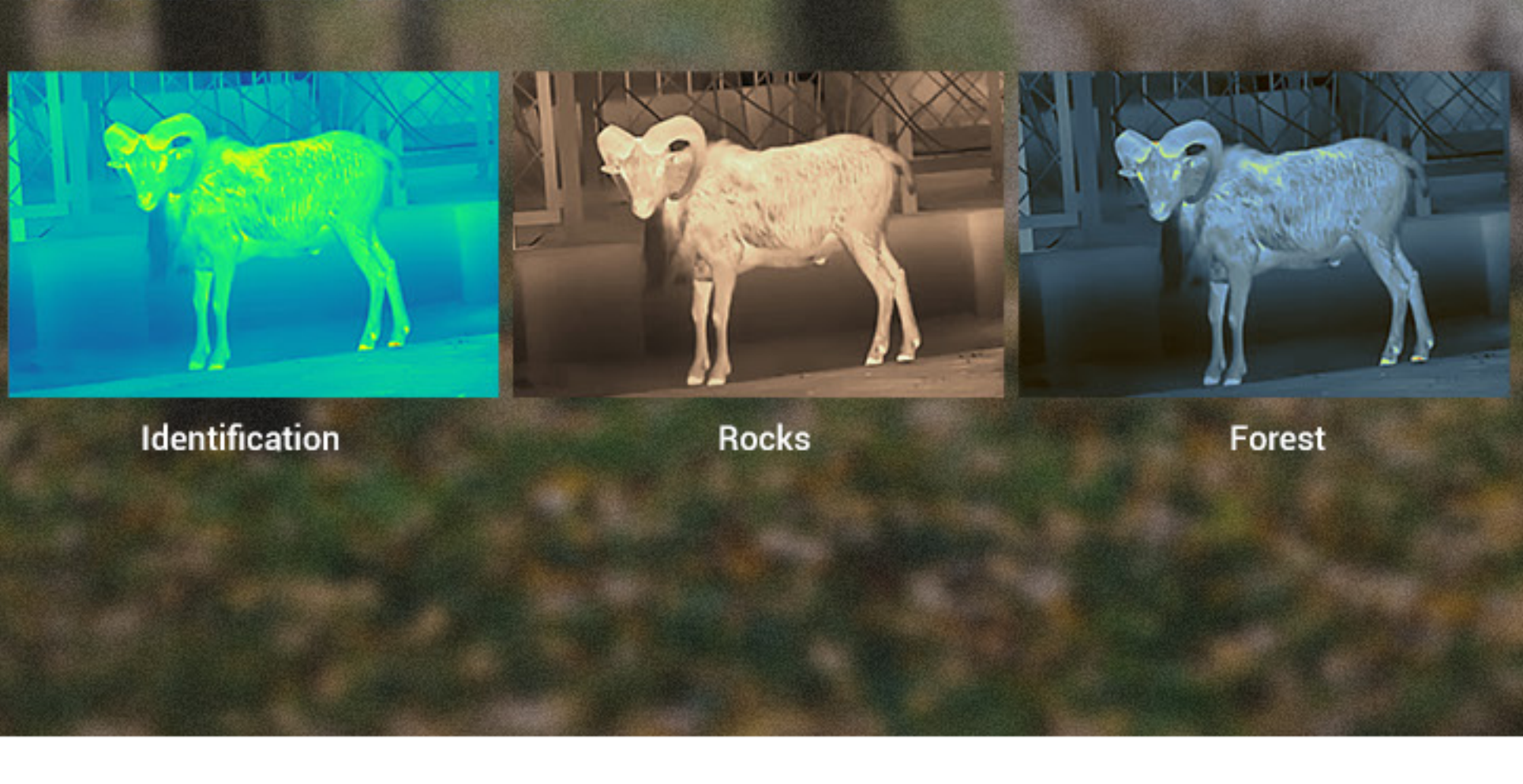
Multiple palette


C1 C2 C3 C4

Display modes


Normal Enhanced Stroke

Various observation modes


Identification Rocks Forest

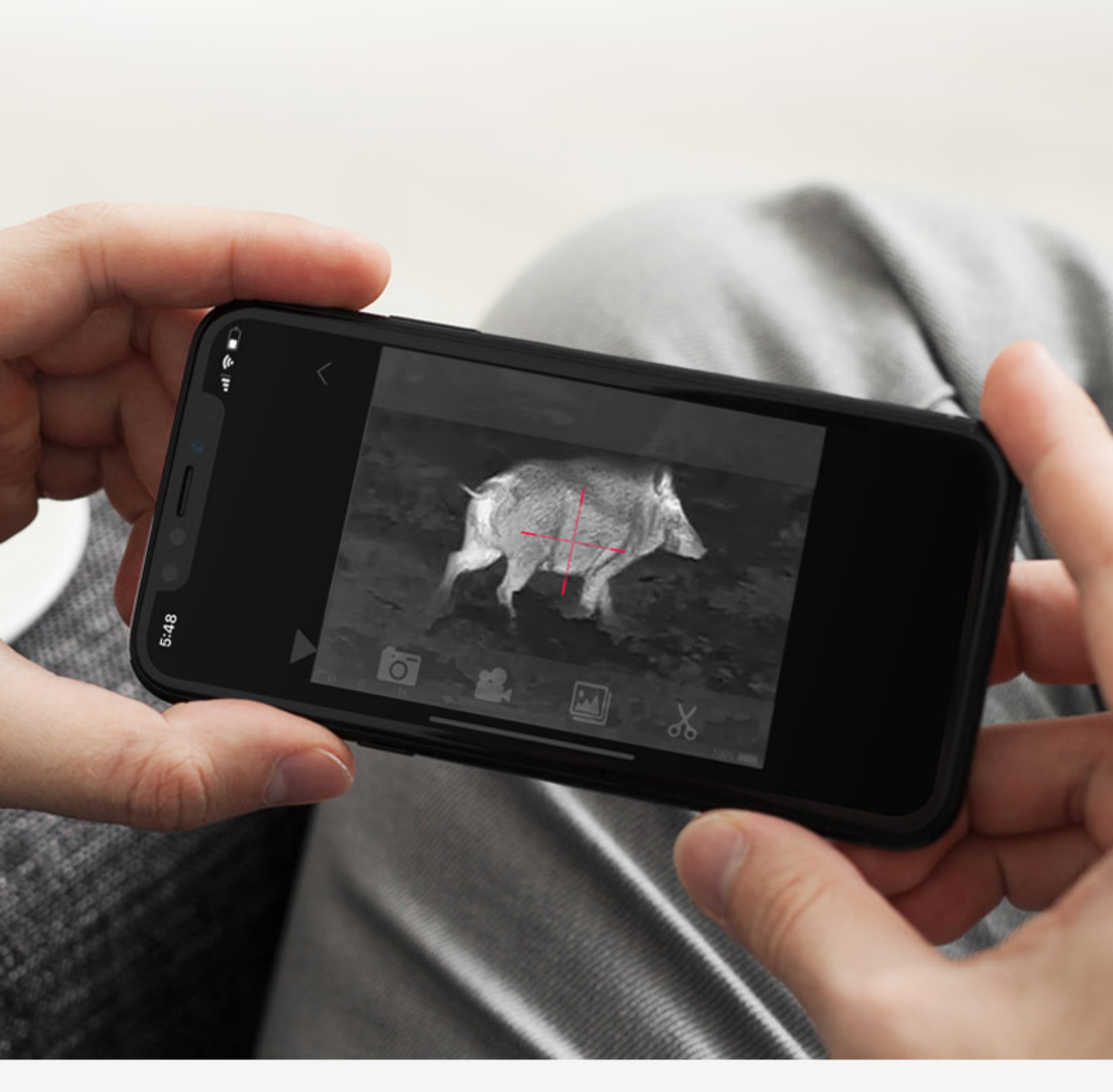
Wifi and on-board recording

Built-in Wi-Fi module allows you to connect the Tracer with mobile units which enables you to receive footage in the real-time mode and save the image/video captured by the device.32 Gb of internal memory provides enough space for recording and taking photos of exciting moments.

Cam802

Available on the App Store

Get it on Google play



More features

High-resolution OLED display
1024×768 high-resolution OLED display offers a crisp, richly contrasted, vividly colored image.

35mm/50mm optional lens
Two modifications of objective lenses allow to choose perfect unit for your needs where 35 mm lens designed for short range missions, while 50 mm lens model will be greater for medium range missions.

Standby mode
User can enter standby mode by simply pressing one button,it helps conserve power when Tracer is not in use, and give a longer operation time. Since the device stays on which also allows it to be switched on quickly if necessary.

Smooth digital zoom
Smooth digital zoom allows you to change the digital zoom from 2.72 to 10.88(35mm)/3.89 to 15.56(50mm). It can provides improved focus and overall target recognition at significant distances.

Picture-in-Picture function
Picture-in-picture displays a X2 image at the top-center of the overall field of view for precise zooming on an object of interest.

Video output function
With the external video output function, user can connect to all carriers that accept PAL video, which is convenient for demonstration and sharing on the big screen.

Long lasting operation time
Ploaris gives up to 8 hours of continuous work.External sources, such as power banks with high-capacity is also capable of increasing the total operation time.

Technical Data Sheet

	Tracer 35LRF	Tracer 50LRF
Detector		
Type	Uncooled Vox	
Resolution	384×288	
Frame rate	50Hz	
Pitch	17μm	
Spectral range	8-14μm	
NETD	Less than 35mk	
Optical Characteristics		
Objective lens	35mm	50mm
Magnification	2.72x	3.89x
FOV	10.6°×8.0°	7.4°×5.6°
Close-up range	5m	
Dioptre adjustment	-5D-4D	
Functions		
Zoom	Smooth digital zoom	
Palette	4 optional(can be customized)	
Start up time	Less than 5 seconds	
Start up image	Can be customized	
Menu and information	GUI(Can be customized)	
Image enhancement	DDE	
Contrast and brightness	AGC	
Online update	Both code and GUI resources	
Display		
Type	OLED	
Resolution	1024×768	
Power Supply		
Battery	Built-in lithium battery	
External power supply	5V micro USB	
Battery life	8h	
Physical Characteristics		
Weight without battery	540g	590g
Size	155x50x92mm	165x56x92mm
Environmental Compatibility		
Water proof	IP67	
Operating temperature	-20℃-50℃	
Storage temperature	-40℃-60℃	
Laser Rangefinder		
Safety class for laser equipment according to IEC 60825-1:2014	1	
Measuring range	5-1000m	
Measurement accuracy	±1m	

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