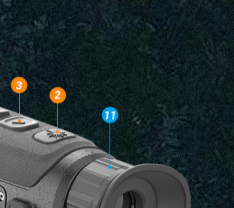


# TRACER LRF

Monocular with Integrated LRF



- Wifi and on-board recording
- Built-in laser rangefinder
- High sensitive thermal image sensor
- User-friendly menu
- IP67 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

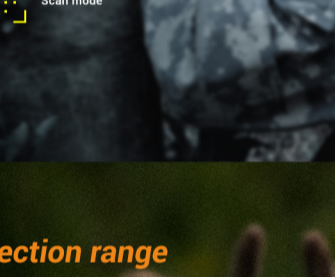
## High sensitive Thermal image sensor



The units have high sensitive 30mK 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.

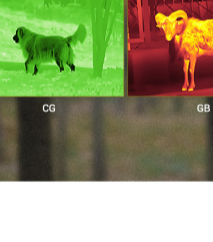


## Built-in laser rangefinder

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: ± 1m
- (Safety class for laser equipment according to IEC 60825-1:2014-1)

The Integrated, precise laser rangefinder provides 2 modes:

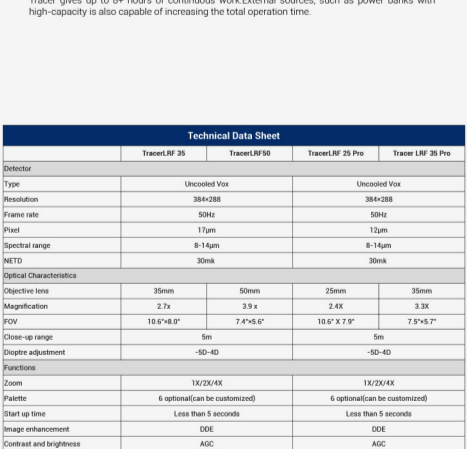


## Detection range

A powerful F35 /1.1 or F50/1.1 objective lens combined with a 384x288 highly sensitive thermal image sensor provides exceptional detection capabilities.

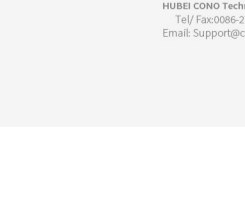


## Multiple palette



## Wifi and on-board recording

Built-in Wi-Fi module enables 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.



## More features

- High-resolution OLED display**  
1024x768 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.
- 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**  
Tracer 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				
	TracerLRF 35	TracerLRF 50	TracerLRF 25 Pro	Tracer LRF 35 Pro
Detector	Uncooled Vox		Uncooled Vox	
Resolution	384x288		384x288	
Frame rate	50Hz		50Hz	
Pixel	17µm		12µm	
Spectral range	8-14µm		8-14µm	
NETD	30mk		30mk	
OPTICAL CHARACTERISTICS				
Objective lens	35mm	50mm	25mm	35mm
Magnification	2.7x	3.9x	2.4x	3.3x
FOV	10.6°x8.0°	7.4°x5.6°	10.6° x 7.9°	7.5°x5.7°
Close-up range	5m		5m	
Dioptre adjustment	-5D-4D		-5D-4D	
FUNCTIONS				
Zoom	1X/2X/4X		1X/2X/4X	
Palette	6 optional (can be customized)		6 optional (can be customized)	
Start up time	Less than 5 seconds		Less than 5 seconds	
Image enhancement	DDE		DDE	
Contrast and brightness	AGC		AGC	
Online update	Both code and GUI resources		Both code and GUI resources	
DISPLAY				
Type	OLED		OLED	
Resolution	1024x768		1024x768	
POWER SUPPLY				
Battery	Built-in lithium battery		Built-in lithium battery	
External power supply	5V micro USB		5V micro USB	
Battery life	8h+		8h+	
PHYSICAL CHARACTERISTICS				
Weight without battery	540g	590g	530g	540g
Size	155x50x92mm	165x6x92mm	153x50x92mm	155x50x92mm
PHYSICAL CHARACTERISTICS				
Water proof	IP67		IP67	
Operating temperature	-20°C~50°C		-20°C~50°C	
Storage temperature	-40°C~60°C		-40°C~60°C	
PHYSICAL CHARACTERISTICS				
Safety class for laser equipment according to IEC 60825-1:2014	1		1	
Measuring range	5-1000m		5-1000m	
Measurement accuracy	±1m		±1m	