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SKU	Designation	French Law	Twilight fact Min	Twilight fact Max	Length (cm)	Width (cm)	Height (cm)	Weight (g)	MSRP
OI1010	INFIRAY lunette digital TD50L	Vente libre	14.14	28.28	39.5	7.5	8.5	950	1100.00 € incl. tax 880.00 € incl. tax

**The Infiray TD50L NV tube is a digital night vision riflescope designed with state-of-the-art technology that will allow you easy use on a bolt-action rifle.**

It is the perfect scope for the demanding hunter who wants to integrate classic and sophisticated equipment with optimal sensitivity even in low light. Thanks to its 13-hour battery and an IP67 protection level that makes your riflescope waterproof and dustproof, hunt all night long, in all possible conditions, even in heavy rain .

### Excellent NV capacity

The combination of a large and quality 50mm/F1.2 lens, 1440x1080 resolution HD CMOS sensor with ultra-low light performance and high definition display, powerful illuminator IR, a very efficient integrated algorithm, etc. make the TD50L the perfect digital night vision rifle with excellent night sensitivity and night vision capabilities for users, even on moonless nights.

### Three picture modes

The TD50L has three picture modes: Day mode, Moon mode and Star mode. In Day mode, the TD50L delivers an extraordinary display of true-to-life, scene-accurate colors in visible view. In Moon mode and Star mode, the TD50L not only seeks to provide users with ultimate nighttime visibility, but also provides clear image display in the observation field of view without any delay. The specially designed Star Mode always creates a clear night vision range, even in very low light conditions or on a moonless night.

### 600m night vision range

The TD50L is a perfect tool for detecting targets such as a wild boar or a deer at distances of up to 600 meters at night, thanks to the combination of the best night sensitivity in its category, a high resolution screen HD, a wide choice of brightness adjustment and the powerful detachable external IR for moonless nights, etc.

### 4x-16x continuous zoom

The base magnification of the TD50L is increased fourfold - from 4x to 16x. Compared to normal full zoom, TD50L allows users to continuously and gradually zoom from 4x to 16x, enjoying a personalized field of view and smooth zooming on the screen. A flexible zoom in and out function can be manipulated in your hands.

### **Dual feed system**

The NV TD50L digital telescopes are powered by two types of rechargeable batteries: a built-in 6600mAh battery and another replaceable 18500 battery located in the battery compartment which provides a battery life of over 13 hours. When the battery in the compartment is discharged, the telescope automatically switches to the built-in battery. The replaceable 18500 battery can be removed and replaced in seconds without an intermediate shutdown occurring on the rifle.

### **Compatible with standard 30mm scope rings**

The newly designed standard 30mm diameter tubular appearance allows the TD50L to be installed on standard 30mm scope rings and easily mounted on a rifle's Picatinny rail system with simple operation, stability and reliability. This is a classic and practical construction design.

### **Powerful 850nm/940nm IR illuminator**

The TD50L comes with an optional 850nm or 940nm IR illuminator which increases illumination while remaining undetectable by the target. Three adjustable IR power levels allow the user to choose their preferred lighting level based on their target distance or environmental conditions.

### **IP67 protection rate**

The TD50L has an IP67 rating, which means it is completely waterproof and dustproof. The riflescopes are able to operate in conditions of high humidity, heavy rain or precipitation of any intensity and survive immersion up to 1 m deep for a long time.

### **Picture-in-picture (PIP) mode**

The TD50L's picture-in-picture feature improves aiming accuracy by providing a 2x magnified image of the reticle area at the top of the screen. It allows users to zoom in on a target while maintaining visibility of the entire field of view for better situational awareness.

### **New freeze-zero function**

A new function has been developed in the TD50L: zeroing by freezing. The biggest advantage of this special feature is the flexibility of being able to move your weapons when zeroing, without any influence on the zeroing data that is held in memory.

**Built-in Wi-Fi and InfiRay APP Support** The TD50L's built-in Wi-Fi module allows users to connect the NV riflescopes with devices using the InfiRay Outdoor APP. This connection will open up a range of options for users, like storing photos and videos, etc. as well as other feature options currently in development.

### **Useful reticle design**

The TD50L digital night vision telescope has 6 optional basic reticles to accommodate different user preferences, when users zoom in or out of the screen by rotating the knob, the reticle increases or decreases in proportion to the magnification changes of the telescope and remains consistent on dimensions and details, allowing users to adapt to different shooting distance needs.

### **Features :**

- Sensor resolution: 1440 x 1080 CMOS
- Pixel size: 16 μm
- Frame rate: 50 Hz
- Lens: 50mm (F1.2)
- Field of view: 6.6° x 4.9°
- Magnification: 4x-16x
- Eye relief: 70mm
- Display resolution: 1280 x 960 px
- Detection range: 600 m
- IR illuminator wavelength: 850 nm / 940 nm (optional)
- Power Supply: Built-in 6600mAh battery and replaceable 18500 battery
- Max operating time (at room temperature of 22°): >13 hours

- External power supply: 5V USB Type-C
- Tube diameter: 30 mm
- Maximum weapon recoil power: 1000 g/s<sup>2</sup>
- Protection index: IP67
- Built-in memory: 16 GB
- Weight (without replaceable batteries): 950 g
- Dimensions: 395 x 85 x 75 mm

*Les prix de vente conseillés sont mentionnés à titre indicatif. Les armuriers sont libres de vendre au prix qu'ils souhaitent. Textes et photos non contractuels, sujet à modification.*