



# Model



**TD50L**

Sensor Resolution, pixels	CMOS 1440 × 1080
Pixel Size, μm	4 × 4
Frame Rate, Hz	50
Objective Lens, mm	50 (F1.2)
Field of View, °	6.6×4.9
Magnification, ×	4×~16×(4× Zoom)
Eye Relief, mm	70
Display	1280×960 LCOS
Capture/Video Record Resolution, pixels	1280×960
Detection Range, m	600
IR Illuminator Wavelength	850nm /940nm (optional)
Battery	Built-in 6600mAh and a replaceable 18500 Battery
External Power Supply	>13
External Power Supply	5V (Type C USB)
Tube Diameter(for the mounting rings) , mm	30
Max. Recoil Power on Rifled Weapon, g/s <sup>2</sup>	1000
Degree of Protection, IP Code (IEC60529)	IP67
Built-in Memory, GB	16
Weight (without replaceable battery), g	<1000
Dimension, mm	395×85×75
APP/Wi-Fi	Support (InfiRay Outdoor)



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# Tube Series

## TD50L

The InfiRay Tube-TD50L is a high-performance digital night vision riflescope designed in the traditional day optic form factor to accommodate optimal use on bolt action rifles. The TD50L is the perfect digital night vision optic for the discerning hunter looking for classic aesthetics and excellent low-light sensor sensitivity. Featuring a 13+ hour run time and an IP67 rating, the TD50L can last all night in any hunting conditions.



## Excellent Night Vision Capability

### 600 m Nighttime Viewing Range

Benefiting from the combination of the excellent nighttime sensitivity, HD display and the powerful external detachable IR, etc. the detecting distance of TD50L in nighttime can range up to 600 meters.



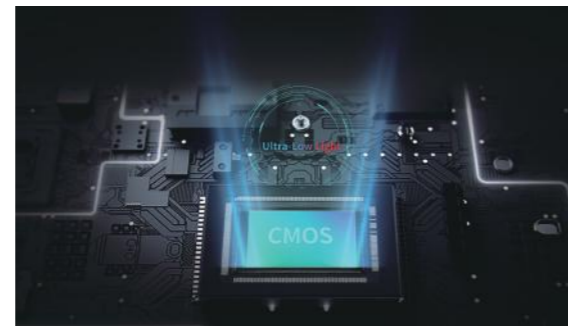
### Three Image Modes from Day to Night

With its Day, Moon and Star modes, the TD50L provides a crystal-clear image without any delay in day or night. On moonless nights, the increased performance of Star mode will ensure optimal imaging during ultra-low light conditions.



### Ultra-low light performance HD Sensor

The TD50L is built around a high resolution 1440x1080 CMOS Sensor with ultra-low light performance that provides extraordinary nighttime sensitivity, even on moonless nights.



## Classic and multifunctional Design

### Standard 30-mm Diameter Design

The traditional housing design of the TD50L allows for installation using standard 30mm scope rings on any rifle, exactly like an existing day scope.



### 4x-16x Smooth Continuous Zoom

The magnification of the TD50L increases by 4x and users can enjoy a continuous and smooth zoom from 4x to a maximum of 16x total magnification.



### Picture-in-Picture Mode (PIP)

The Picture-in-Picture mode improves aiming accuracy by providing a 2x-magnified image of the reticle area at the top of the display. This feature allows users to zoom in on a target while still maintaining a wide field of view for increased situational awareness.



## Born for Outdoor

### Dual Power Supply System

Powered with a built-in 6600mAh battery and an external replaceable 18500 battery, the TD50L has a 13H+ battery life to ensure that it can handle any length of hunt or trip to the range.



### Powerful 850nm/940nm IR Illuminator

The TD50L is supplied with an optional 850nm or 940nm IR illuminator to allow for increased illumination while staying undetected to the target. Three adjustable IR power levels allow the user to choose their preferred illumination level based on the range to your target, or environmental conditions.



### IP67 Protection Rate

The TD50L features an IP67 level of environmental protection which means it is fully dustproof and submersible to 1 Meter for 30 minutes. High humidity, heavy rain or precipitation won't stand a chance.

