

# TS Series

## Thermal Rifle Scope



### Introduction

TS Series is an economical civilian infrared thermal imaging riflescope that includes 25mm/35mm/50mm objective lenses. With 400x300 pixel TEC metal-encapsulated thermal detector, it can detect longer range and capture vivid images of higher clarity. TS thermal riflescope also features with compact size, waterproof and dustproof, high shock resistance, rugged and durable, which performs impressively in any harsh weather.

### Application


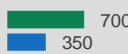

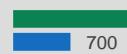

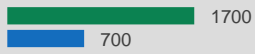
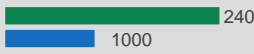
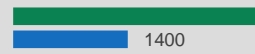
Hunting / Outdoor Vision /Law Enforcement

### Features and Benefits

- Excellent imaging performance, with 17 $\mu$ m@400x300 TEC metal-encapsulated thermal detector for longer detection range and crisper images.
- Rugged and durable, IP67 degree of protection, waterproof and dustproof, high shock resistance, no fears of harsh weather.
- Zoom in on the center of the reticle, and the relative position of the aiming point and the reticle remains unchanged to ensure the aiming accuracy.
- The mil of the reticle can be zoomed in with the image, no conversion required, avoid errors.
- 50Hz high frame rate, ensuring capture smooth and vivid image during fast motion of observer or object of observation.
- 1024x768 resolution AMOLED eyepieces, colorful and detailed images
- Battery-mount user-friendly design, both side can be mounted, change battery easily in darkness.
- With multi-user customized settings, parameter information of an array of reticles can be saved to match different rifles.

# Specifications

Model	TS425	TS435	TS450
<b>Detector</b>			
Detector Type	400×300@17μm, 8μm ~ 14μm, NETD≤50mk		
<b>Lens</b>			
Focal Length	25mm F1.1	35mm F1.2	50mm F1.2
Focusing	Manual Focus		
FOV	14.9°×11.2°	10.7°×8.0°	7.5°×5.6°
<b>Display</b>			
Display	Color 0.39-inch OLED Display, 1024×768		
Eyepiece	Exit pupil distance 48mm, eyepiece magnification 14×		
Magnification	1.6~6.4×	2.3~9.2×	3.3~13.2×
Video Output System	PAL 50Hz		
External Video Display	Full color video output by external interface, with menu		
<b>Imaging</b>			
Frame Rate	50Hz		
Digital Zoom	2×,4×		
Color Palettes	White Hot, Black Hot, Red Hot 1, Red Hot 2, Red Hot 3, Green Hot, blue Hot		
Picture-in-picture	On/off , the position is adjustable		
<b>Functions</b>			
hotspot tracking	Yes		
Compensation Modes	Auto Compensation / Shutter Compensation / Scene Compensation		
Calibration	25m/50m/100m		
Stadiametric rangefinder	1.8m/0.5m/0.25m		
Gun Types Selection	6 Types		
<b>Power Supply</b>			
Battery Type	Interchangeable Li-ion battery 18650 x 1, Non-rechargeable on the device		
Battery Operating Time	≥3H ( Standard low temp battery , Observation status only )		
	≥5H ( Panasonic 3400mah standard 18650 battery , Observation status only )		
<b>Interface</b>			
Video Interface	Lemo		
<b>Environmental Characteristics</b>			
Operating Temperature	-40°C-50°C		
Shock	500G/1ms		
Encapsulation	IP67		
Certificate	RoHS , CE		
<b>Weight &amp; Dimensions</b>			
Weight ( excl battery )	660g	660g	720g
Dimensions	230mm×90mm×75mm	230mm×90mm×75mm	250mm×90mm×75mm
<b>Package Contents</b>			
Standard	Lens cap,battery,Charger,Video cable, Pick-up gun rack,Hard transport case,User Manual		

Detection Range	Recognition Range	TS425	TS435	TS450
1.8m×0.5m				
2.3m×2.3m				

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