

TU Ursa Major Series

Thermal Imaging Riflescope



TU42 0	TU43 0	TU45 0
TU62 0	TU63 0	TU65 0

Introduce

Guide TU thermal imaging riflescope retains the appearance of a traditional daylight scope and perfectly integrates latest premium thermal imaging technology. The design of this scope accommodates long-term operating habits of hunters. TU series adopts high-sensitivity thermal detector with three different lens options of 25mm, 35mm, 50mm, and its 10 sets of zero calibration configuration make it convenient to switch between different instruments.



Features and Benefits

- HD OLED display, with 1x~8x smooth zoom, provides a comfortable visual experience
- 10 sets of zero calibration configurations can be saved, no need to recalibrate for different instruments
- The reticle density can be zoomed in synchronously with the image to ensure the aiming accuracy
- 10 kinds of reticles, 6 kinds of reticle colors, 10 grades of reticle brightness for your selection
- Support photo and video, record wonderful moments at any time easy to share
- Remote control by WIFI or Bluetooth, for diversified usage
- Rugged and durable, IP67 rating, working temperature -30°C~50°C, no fear of severe weather
- 10hrs super long duration time, changing battery without turn off, ensuring full day operations
- Mount on Standard 30mm Scope Rings

Application

- Outdoor Observing
- Law Enforcement

NEW

Specifications

Model	TU420	TU430	TU450	TU620	TU630	TU650
Detector						
Detector Type	400×300@17μm, VOx			640×480@12μm, VOx		
Spectral	8μm~14μm					
NETD	≤50mk					
Lens						
Focal Length	2.5 m m	3.5 m m	5.0 m m	2.5 m m	3.5 m m	5.0 m m
FOV	15.49° ×11.65°	11.1° ×8.33°	7.78° ×5.84°	17.46° ×13.14°	12.52° ×9.41°	8.78° ×6.59°
Focusing	Manual					
Display						
Display Screen	Full-color 0.39" OLED screen, 1024×768					
Eye-piece	Pupil distance of eye-piece 48mm, Eye-piece magnification 14×					
Magnification	16×-6.4×	2.3×-9.2×	3.2×-12.8×	1.4X-11.2X	2.0X-16.0X	2.8X-22.4X
Imaging						
Frame Rate	50Hz					
Digital Zoom	1X-4X (Smooth zoom)			1X-8X (Smooth zoom)		
Scene Modes	Enhance, highlight, natural					
Color Palettes	White hot, black hot, customized red hot, green hot, iron red, blue heat					
Picture-in-picture	on/off, the position is adjustable					
Functions						
Wi-Fi/APP	Connect App (IOS & Android) via WIFI to realize remote control, live image and video transmission					
Compensation Modes	Scene compensation, shutter compensation, automatic compensation					
Zero Calibration	50m/100m/200m/300m/500m					
Gun Type Selection	10 sets of zero calibration configurations can be saved, no need to recalibrate for different instruments					
Reticle	10 reticle styles, 6 colors, 10 levels of brightness					
Others	Photo taking, video recording, hotspot tracking, Stadiametric rangefinder					
Power Supply						
Battery Type	1×internal Battery + 1×external battery, rechargeable, change external battery without power cut off					
Battery Operating Time	Battery continuous working time ≥10hrs					
Interface						
USB	Type-C, it can supply external power and charge, and can read the data of memory card					
Video Interface	MicroHDMI					
Environmental Characteristics						
Operating Temperature	-30°C~50°C (External power supply is required below -20°C)					
Storage Temperature	-45°C~70°C					
Humidity	Working and storage 10%~95%, non condensing					
Shock	500G/1ms					
Vibration	10Hz~150Hz~10Hz 0.15mm IEC60068-2-6					
IP level	IP67					
Certificate	RoHS, CE, FCC, EAC, UN38.3 (Battery certificate)					
Physical Characteristics						
Internal Storage	16G					
Weight (excl. battery)	930g	940g	950g	980g	980g	990g
Dimensions (excl. eye mask)	367×107×69mm		377×107×69mm	367×107×69mm		377×107×69mm
Package Contents						
Standard	Thermal Imaging Rifle Scope, Lens Cover, Adapter, Battery, Charger, TYPE-C Data Cable, MicroHDMI Video Cable, Eye Mask, Picatinny Tube Clip ×2 (30mm Diameter), Pouch, Shoulder strap, Quick Start Guide					
Optional	Battery, Remote Control					

