

Infrared Thermal Monocular

UTx625M & UTx635M



Pocket size



0.39" OLED
(1024×768)



Smart
standby



Stadiametric
ranging



Wi-Fi live
streaming



E-compass



Detachable
battery



Mobile APP



Outdoor



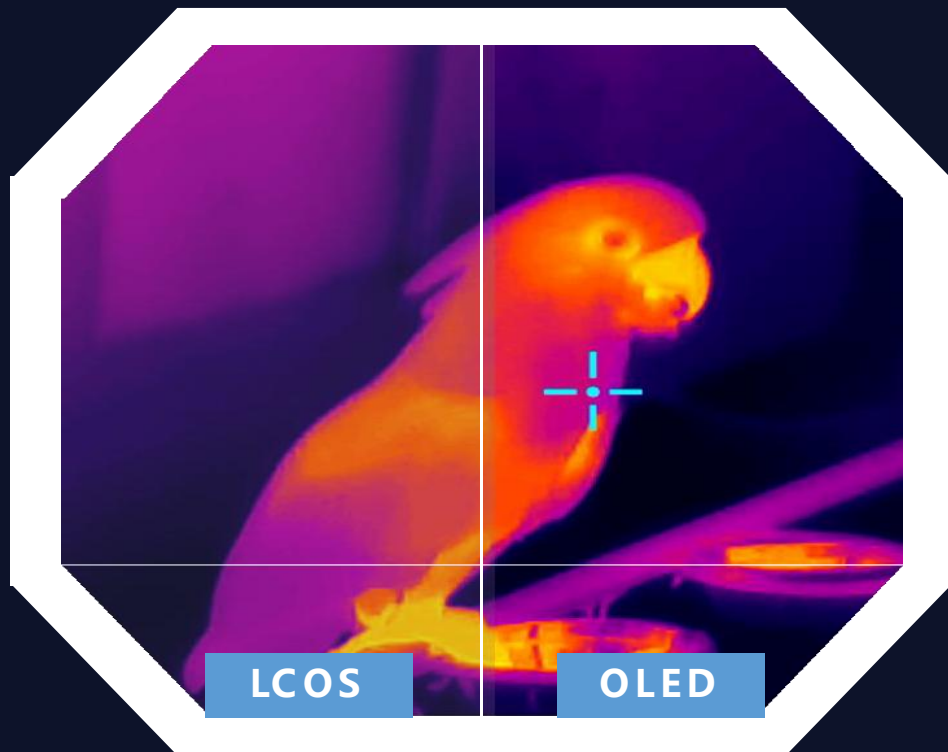
Pest Control



Hunting



Security



OLED display technology offers images with higher contrast



UTx625M & UTx635M feature a **0.39" OLED display screen** with high-definition (1024x768). More details come into view. Providing an excellent observation experience.

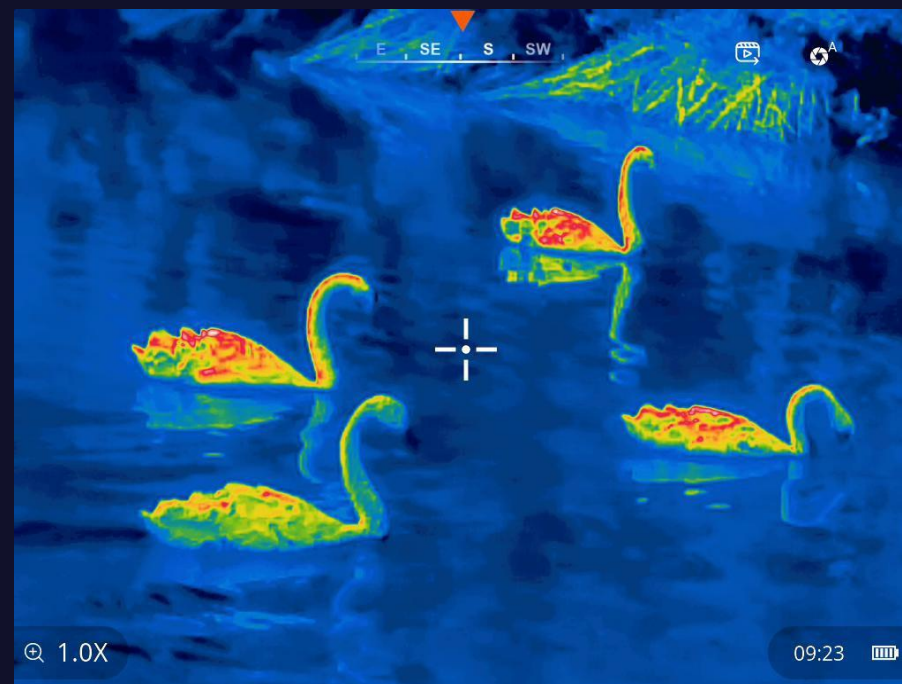
Structure



Buttons	Status	Short Press	Long Press
 Power	Power off	/	Power on
	Main interface	Shutter calibration	Power off
	Menu bar	Return	Power off
 Zoom	Main interface	Digital zoom	/
	Menu bar	UP	Up fast
 Menu	Main interface	Open the shortcut menu	Open the menu
	Menu bar	Confirm	Return
 Camera	Main interface	Photo capturing	Video recording
	Menu bar	DOWN	Down fast

Clear Imaging

640×512 IR resolution, with manual focus function, improve image quality, more details are shown.



NETD

The lower the NETD value, the stronger the ability of detecting the minimum temperature difference, better image quality.



$\leq 40\text{mK}$

240WV

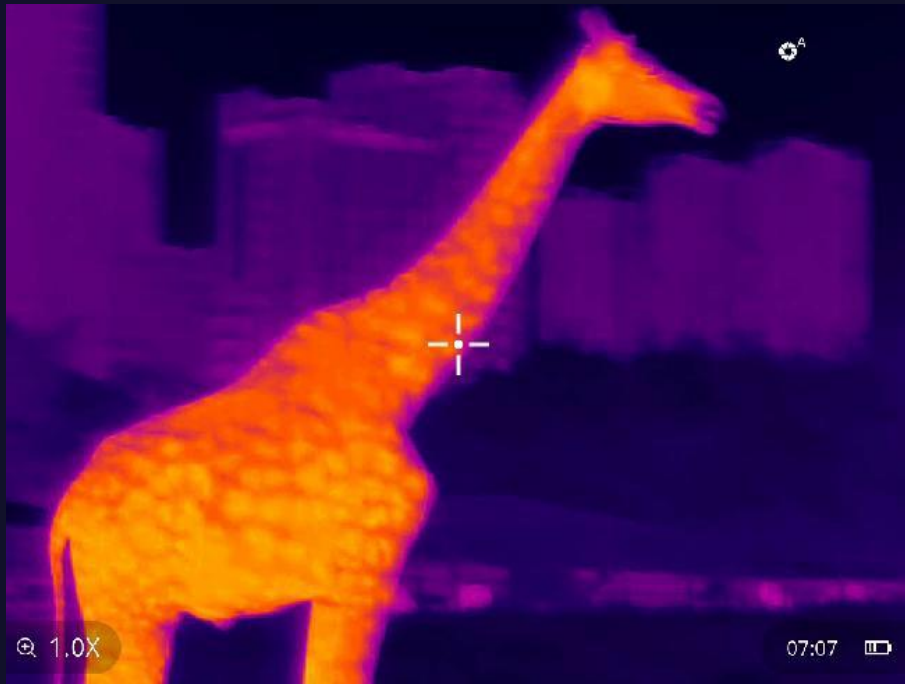


$\leq 25\text{mK}$

250WV

Frame Rate

No lagging in capturing the dynamic images



≤25Hz

25.5Hz

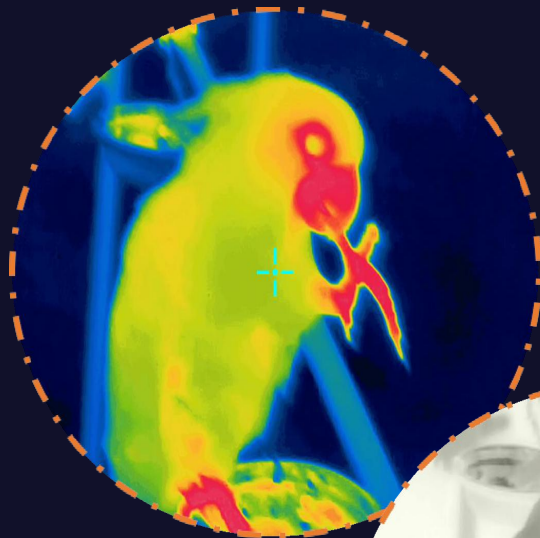


≤50Hz

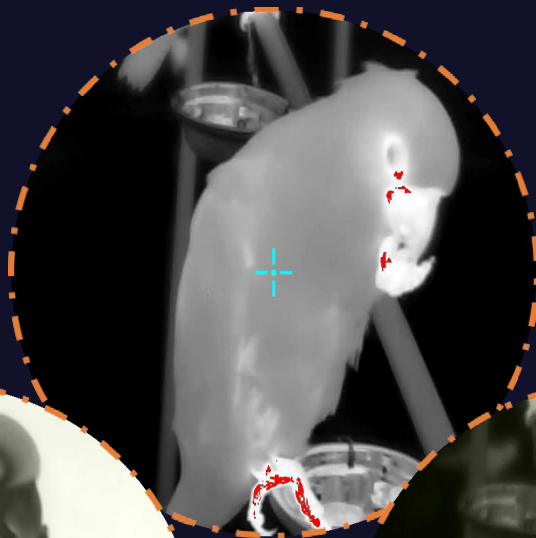
50.6Hz

Color Palettes

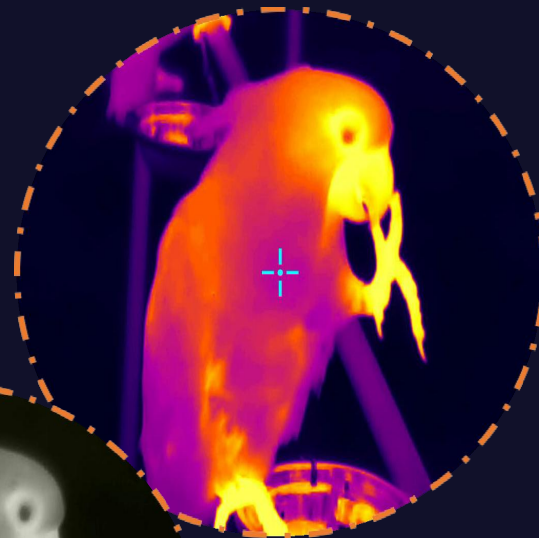
Rainbow



Red Hot



Ironbow



Black Hot



White Hot

Scene Modes

Find a target with small heat sources. It's suitable for bird observation.



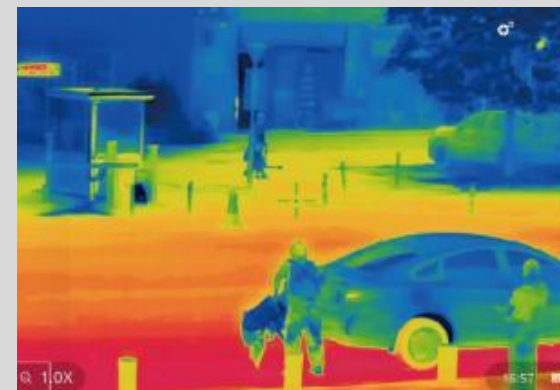
Bird Mode

Providing more details of the observed target and landscape. It's suitable for observation and searching in forest.



Forest Mode

Show more details in the complex scene. It's suitable for sunny days or urban environments.



Rock Mode



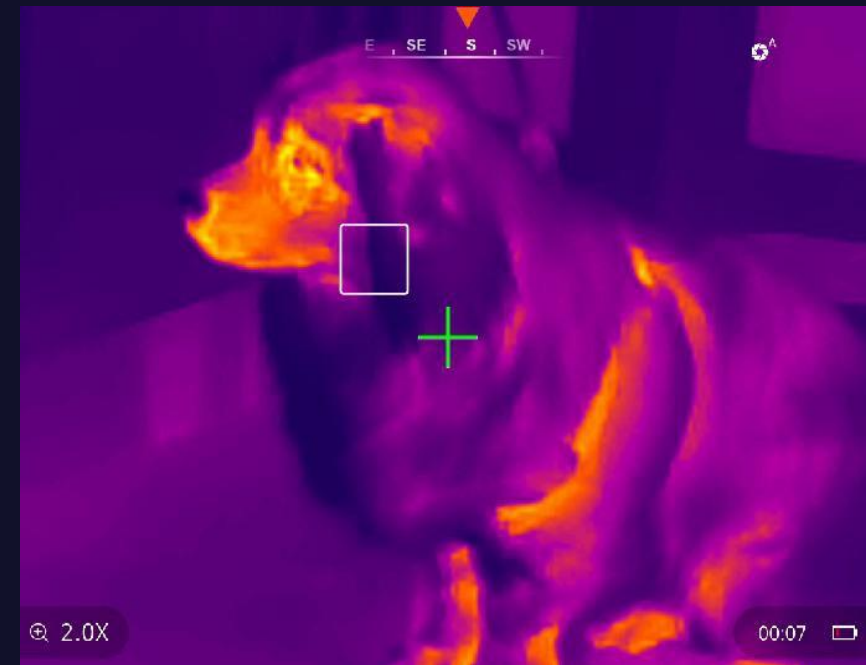
Display screen automatically lights up when the device closes to the eyes. If you place the device for **30s** above without any operation, it will automatically switch to the standby mode for saving power.

Stadiametric Ranging



Calculate an approximate distance of a known size target based on the predefined targets & values.

E-Compass



Real-time display of orientation to help users identify the direction.

Center Marker



Locate the targets via the cross cursor.

Hot Trace



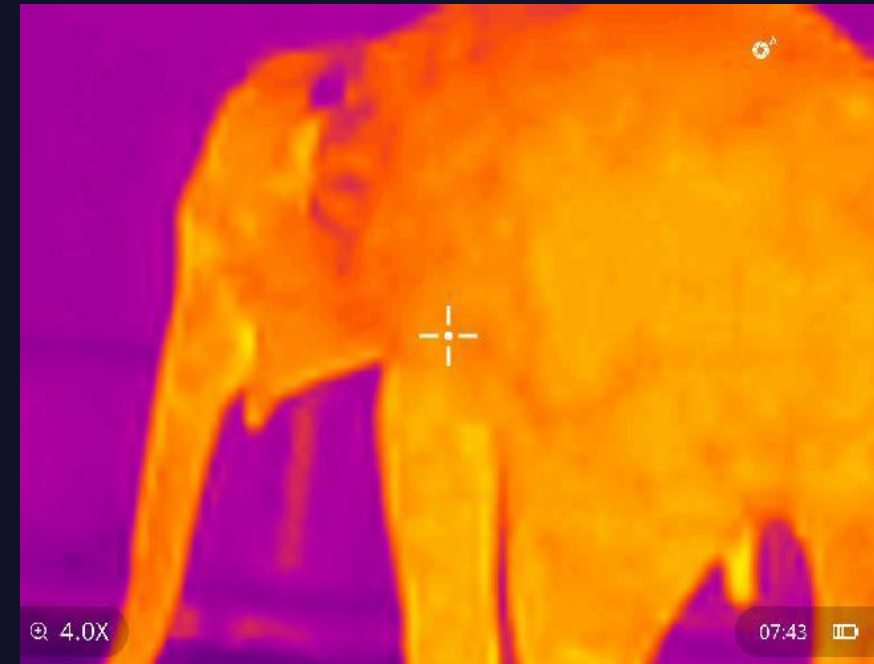
Real-time track the hottest area.

PIP



The image of the selected area is displayed with 2x magnification showing in the lower right corner, which is conducive to observing small objects and magnifying details.

Magnification



2x, 4x, 8x / 1.0~8x continuous

Wi-Fi Live Streaming

UNI-T®



Connect the device to mobile APP "**Thermal Xplorer**" via Wi-Fi. Real-time images projection.
Share the fun and have a great hunting time together.

IP67



Effectively protect product quality in dust environment or rainy days

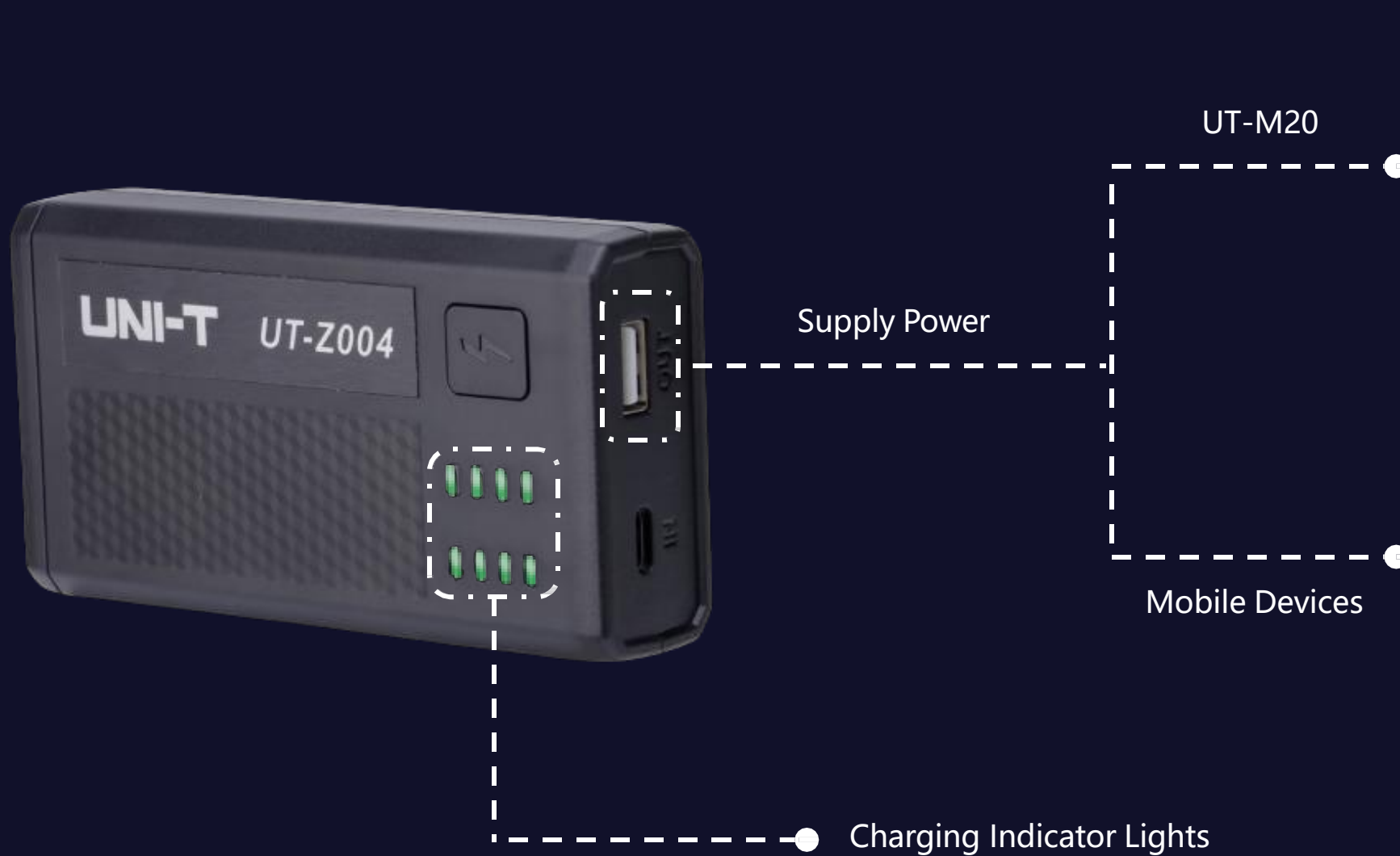
Drop Proof



Withstand drop down of 2m height

Charging Base

UNI-T®





Dioptric Adjustment

Dioptric Adjustment



Hand Strap

Hand Strap



Easy to carry

Easy to carry

Products Range Performance

- Detection Range
- Recognition Range
- Identification Range

UTx625M

UTx635M



Height: 0.3m
Width:: 0.3m

417m

104m

52m

588m

147m

74m



Height: 0.8m
Width:: 1.1m

1303m

326m

163m

1839m

460m

230m



Height: 1.8m
Width:: 0.7m

1559m

390m

195m

2201m

550m

275m



Height: 2.3m
Width:: 2.3m

3194m

799m

399m

4510m

1127m

564m

> Technical Data

Model No.	UTx625M	UTx635M
Display	0.39" OLED (1024×768)	
IR resolution(Pixels)	640×512	
Pixel size	12μm	
Frame rate	50Hz	
NETD	25mK	
Focus	Manual focus	
Lens focal length	25mm	35mm
FOV	17.4°(H) x 14°(V)	12.5°(H) x 10°(V)
Eyepiece relief distance	18mm	
Diopter adjustment	-4D~+5D	

> General Characteristics

Battery	3200mAh detachable Li-ion battery (UT-M20)
Operating time	≥3.5 hours
USB	Type-C
Storage	16GB Internal
Image storage format	PNG
Video storage format	MP4
Protection	IP67 & 2m drop proof
Certificates	EAC, CE, FCC, RoHS, FDA
Languages	EN, FR, DE, ES, IT, RU, UA
Weight	364g (Inc. battery)
Dimension	160mmx71.5mmX38.5mm

> Functions

Color palettes	Black hot, White hot, Hottest, Ironbow, Rainbow
Digital zoom	2x, 4x, 8x / 1.0~8x continuous
Scene modes	Bird, Forest, Rock
Calibration modes	Auto, Manual, Background
Stadiametric ranging	√
Smart standby	√
Hot trace	√
E-Compass	√
PIP	√
Video recording	√
Photo viewing	Device Local, PC, APP
Wi-Fi download photo	√
Wi-Fi live streaming	√
Video output	Type-C interface
Analysis software	APP (Android & iOS)

Packaging Details



Model No.	Standard carton size	Standard carton G.W.	Standard Qty per carton	Certificates	FOB	MSRP
UTx625M	305mm×135mm×265mm	2kg	1 pcs	EAC, CE, FCC, RoHS, FDA	\$850	\$1,899
UTx635M					\$950	\$1,999

Standard Accessories:

- ❑ Quick Start Guide
- ❑ Type-C USB cable
- ❑ Hand Strap
- ❑ Cloth Bag
- ❑ Charging Base (UT-Z004)
- ❑ Rechargeable Li-ion battery (UT-M20) ×2
- ❑ Tool Box



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THANK YOU

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