

**UNI-T®**

UTx313M/UTx318M/UTx325M

**THERMAL MONOCULAR**



<https://thermal.uni-trend.com>

**UTx318M**  
Thermal Monocular

- Pocket size
- 0.39" OLED (1024x768)
- Stadiametric ranging
- Wi-Fi live streaming
- E-Compass
- Video recording
- Detachable battery
- Mobile APP



**Pocket size**

Easy to carry on the go in a pocket or cloth bag. Its structure conforms to the design of human body mechanics, which is convenient for one-handed operation.



**Large OLED Display**

0.39" large display screen, high-definition (1024x768), more details come into view, providing an excellent observation experience.



**Scene modes**

To meet the requirements of different usage scenarios, UTx318M offers 3 scene modes:

- Bird mode:** Find a target with small heat sources. It's suitable for bird observation.
- Forest mode:** Providing more details of the observed target and landscape. It's suitable for observation and searching in forest.
- Rock mode:** Show more details in the complex scene. It's suitable for sunny days or urban environments.



Bird mode

Forest mode

Rock mode

**Smart Standby**



Display screen automatically lights up when the device closes to the eyes. If you place the device for 30s above without any operations, the device automatically switches to standby mode for saving power.

**Charging Base**



Supply power for detachable batteries and mobile devices.  
Charging via Type-C interface

**Specifications**

Model No.	UTx313M	UTx318M	UTx325M
<b>Technical Data</b>			
Display	0.39" OLED (1024x768)		
IR resolution(Pixels)	400x300		
Pixel size	12µm		
Frame rate	≤50Hz		
Thermal sensitivity(NETD)	≤25mK		
Focus	Manual focus		
Lens focal length	13mm	18mm	25mm
Field of view(FOV)	20.3°(H) × 15.2°(V)	14.6°(H) × 11°(V)	10.5°(H) × 7.9°(V)
Diopter adjustment	-4D~+5D		
<b>Functions</b>			
Digital zoom	2x, 4x, 8x / 1.0~8x continuous		
E-Compass	√		
PIP	√		
Wi-Fi download photo	√		
Wi-Fi live streaming	√		
Analysis software	APP (Android & iOS)		
<b>General Characteristics</b>			
Battery	3200mAh detachable Li-ion battery pack (UT-M20)		
Operating time	≥4 hours		
USB	Type-C		
Protection	IP67 & 2m drop proof		
Certificates	EAC, CE, FCC, RoHS, FDA		
Languages	EN, FR, DE, IT, ES, RU, UA		
Weight	357g		
Dimensions	160mm×71.5mm×38.5mm		

**UTx318**  
Thermal Monocular

- 0.4" LCOS (1280x960)
- Hot trace
- 384 × 288 IR resolution
- IP67 Waterproof and dustproof
- Picture viewing
- 2m drop proof



**384x288 IR resolution**



**Center spot mark**



**Digital details enhancement**

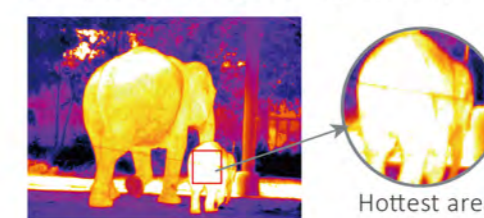


**Photo review**



**Hot trace**

Thermal monocular can automatically detects and marks the hot spot of highest temperature.



Hot trace - On

Hottest area

**Product range performance**

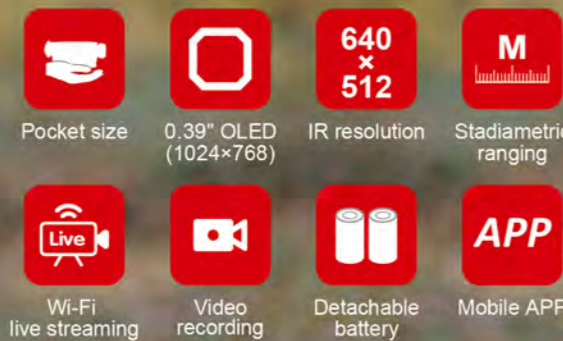
	UTx313	UTx318	UTx325
<b>Rabbit</b> {Height: 0.3m Width: 0.3m}	225 56 28	299 75 37	417 104 52
<b>Wild boar</b> {Height: 0.6m Width: 1.1m}	609 152 76	808 202 101	1128 282 141
<b>Human</b> {Height: 1.8m Width: 0.5m}	711 178 89	944 236 118	1318 329 165
<b>Vehicle</b> {Height: 2.3m Width: 2.3m}	1723 431 215	2289 572 286	3194 799 399

**Specifications**

Model No.	UTx313	UTx318	UTx325
<b>Technical Data</b>			
Display	0.4" LCOS (1280x960)		
IR resolution(Pixels)	384x288		
Pixel size	12µm		
Frame rate	≤50Hz		
Thermal sensitivity(NETD)	≤40mK		
Focus	Manual focus		
Lens focal length	13.5mm	18mm	25mm
Field of view(FOV)	20.3°(H) × 15.2°(V)	14.6°(H) × 11°(V)	10.5°(H) × 7.9°(V)
Diopter adjustment	-5D~+3D		
<b>Functions</b>			
Digital zoom	2x, 4x / 1.0~4x continuous		
Calibration modes	Auto, Manual, Background		
Hot trace	√		
Photo viewing	Device Local & PC		
Video output	MCX interface		
<b>General Characteristics</b>			
Battery	4000mAh rechargeable Li-ion battery		
Operating time	≥8 hours		
USB	Type-C		
Protection	IP67 & 2m drop proof		
Certificates	UL, CE, UKCA, RoHS		
Weight	428g		
Dimensions	207.6mm×62mm×62mm		

# UNI-T

## UTx625M/UTx635M Thermal Monocular



### ◆ 640×512 High IR Resolution

With 640×512 high IR resolution, and high-gamut 0.39-inch display brings better image quality and visual effects.



### ◆ Thermal Sensitivity (NETD): <25mk

Uses a 25 mK NETD high sensitivity thermal detector to provide clear and detailed thermal images.

<25mk



### ◆ Charging Base

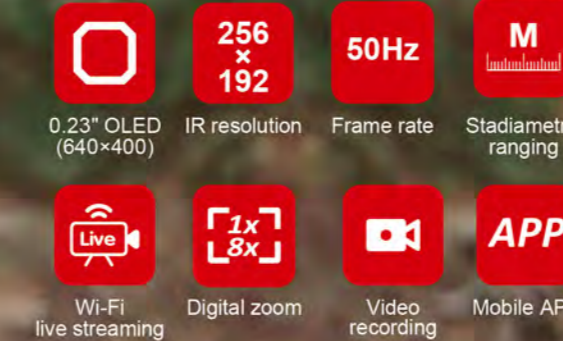
- Supply power for detachable batteries and mobile devices.
- Charging via Type-C interface



## Specifications

Model No.	UTx625M	UTx635M
<b>Technical Data</b>		
Display	0.39" OLED (1024×768)	
IR resolution(Pixels)	640×512	
Pixel size	12μm	
Frame rate	≤50Hz	
Thermal sensitivity(NETD)	≤25mK	
Focus	Manual focus	
Field of view(FOV)	17.4°(H) × 14°(V)	12.5°(H) × 10°(V)
Lens focal length	25mm	35mm
Diopter adjustment	-4D~+5D	
<b>Functions</b>		
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)	
<b>General Characteristics</b>		
Battery	3200mAh detachable Li-ion battery (UT-M20)	
Operating time	≥3.5 hours	
USB	Type-C	
Storage	16GB Internal	
Image/Video storage format	PNG/MP4	
Protection	IP67 & 2m drop proof	
Certificates	EAC, CE, FCC, RoHS	
Languages	EN, FR, DE, ES, IT, RU, UA	
Weight	357g	
Dimensions	160mm×71.5mm×38.5mm	

## UTx210W Thermal Monocular



### ◆ OLED 640×400 Display

0.23" display screen, high-definition (640×400), more details come into view, providing an excellent observation experience.



### ◆ Wi-Fi

Wi-Fi hotspot and Type-C interface provide easy connectivity options, making it a great choice for hunters looking for a high-tech hunting monocular.



### ◆ Waterproof & Dustproof

The whole machine is waterproof (IP67) and dustproof, which can be used in harsh conditions.



### ◆ 16GB Built-in Memory

Built-in 16GB memory make it easy to store and share your outdoor adventures with this thermal imaging monocular.



## Specifications

Model No.	UTx210W
<b>Technical Data</b>	
Display	0.23" OLED (640×400)
IR resolution(Pixels)	256×192
Pixel size	12μm
Frame rate	≤50Hz
Thermal sensitivity(NETD)	≤50mK
Focus	Focus free
Lens focal length	10mm
Field of view(FOV)	17.5°(H) × 13.1°(V)
Diopter adjustment	-5D~+5D
<b>Functions</b>	
Digital zoom	2x, 4x, 8x / 1.0~8x continuous
Calibration modes	Auto, Manual, Background
Stadiametric ranging	√
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)
<b>General Characteristics</b>	
Battery	4000mAh rechargeable Li-ion battery
Operating time	≥6 hours
USB	Type-C
Storage	16GB Internal
Image/Video storage format	PNG/MP4
Protection	IP67 & 2m drop proof
Certificates	CE, FCC, RoHS
Languages	EN, FR, DE, ES, IT, RU, UA
Weight	410g
Dimensions	185.5mm×63.7mm×62mm

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