

Trijicon® UTB™x

UNIVERSAL THERMAL BINOCULAR

HIGH-PERFORMANCE SITUATIONAL AWARENESS

The Trijicon® UTB™x system allows for detection at extended ranges—up to 2,200 meters with the standard lens configuration. The optic also includes a digital magnetic compass to allow for precise targeting capabilities, and is capable of outputting photos and video.

PREMIER IMAGE QUALITY

640 resolution thermal image sensor for detection ranges of up to 2,200 meters with the standard 75mm lens, and 2,660 meters with the 120mm lens.

VERSATILE LENS CONFIGURATIONS

Multiple lens configurations are available, allowing variability in detection range and field of view to cater to specific needs.

USER-FRIENDLY

Intuitive menu system and tripod-mountable design.



APPLICATIONS

- Covert location of objects without visible light
- Hot spot and disturbed surface detection
- Provides a clear picture day or night
- Easily spot objects in foliage or under vehicles where traditional night vision cannot
- Firing range safety and observation



Trijicon® UTB™ x Product Specifications:

WEIGHT AND DIMENSIONS	Color	Black
	Weight (without batteries)	37.5 oz. (1063g)
	Length	7.0 in. (178mm) without lens cover or eyecups
	Width	5.5 in. (140mm)
	Height	2.9 in. (74mm)
POWER	Power source	(3) CR123 lithium batteries or (2) L91 (FR6) lithium batteries or USB outlet
	Battery operating life @25°C	2.25 hr (one CR123 battery) 5.5 hours (two CR123 batteries) 2.25 hours (L91 batteries)
ENVIRONMENT	Operating temp	-40° F (-40° C) to 140° F (60° C)
	Storage temp	-40° F (-40° C) to 160° F (71° C)
	Immersion	33 ft.
	Climatic zones	Hot, basic
IMAGING CHARACTERISTICS	Optical focus	Manual
	Diopter adjust	Manual
	Digital zoom	2X
	Magnification	
	75 mm lens (standard)	3.7X
	120 mm lens (long range)	6.6X
	Field of view	
	75mm lens (standard)	10.6° diagonal (8.5° horizontal x 6.3° vertical)
	120mm lens (long range)	6.6° diagonal (5.3° horizontal x 3.9° vertical)
	Minimum focus distance	5m
	Detection range (NVTherm model): 80% positive, 60 Hz, 0.75 m² size target (NATO Standard)	
	75mm lens (standard)	2200m
	120mm lens (long range)	2660m
	IR camera	
	Sensor	Uncooled microbolometer
	Wavelength	8-12 µm
	Pixel pitch	17 µm
	Pixel format	640 x 480 array
	Refresh rate	30/60Hz
	NEdT	< 50mK @ F/1
Display		
Color	Monochrome	
Size	640 x 480	
Pixel pitch	15 µm	
Type	OLED	
Eye Relief distance	20mm	
Diopter adjustment	+/- 1.75 diopter	
Light guard	Eyecups	

COMPASS	Digital magnetic compass	Yes
IMAGE STORAGE	Capability	100 snapshots
	Image format	8-bit uncompressed raw binary file
TESTING	Laser safety	MIL-STD-1425A
POINTERS	Visible pointer	
	Class	3B
	Power level	Tactical: 30mW
	Beam divergence	0.125-0.75 mrad @1/e
	Wavelength	625-645nm
	NOHD (unaided)	294m
	NOHD (5cm aided)	1992m
	NOHD (12cm aided)	4780m
	Diffuse NOHD	0m
	OD (unaided)	2.0
	OD (aided)	2.0
	NSHD	2m
	IR pointer: low-training / high-tactical	
	Class	1/3B
Power level	Training: 0.7 mW / tactical: 30mW	
Beam divergence	0.125-0.75 mrad @1/e	
Wavelength	840-860nm	
NOHD (unaided)	10m / 86m	
NOHD (5cm aided)	58m / 512m	
NOHD (12cm aided)	139m / 1227m	
Diffuse NOHD	0m	
OD (unaided)	None / 2.0	
OD (aided)	None / 2.0	
NSHD	3m	
DUAL POINTERS	Visible and IR high-tactical	
	NOHD (unaided)	368m
	NOHD (5cm aided)	2431m
	NOHD (12cm aided)	5834m
	Diffuse NOHD	0m
	OD (unaided)	2.0
	OD (aided)	2.0
	NSHD	5m



© 2020 Trijicon, Inc. | P.O. Box 930059 | 49385 Shafer Avenue | Wixom, Michigan | 48393-0059 USA
703-445-1600 | info@trijicon.com | www.TrijiconOASYS.com | PML4070 Rev(2) 0520

EXPORT
WARNING

Export of the commodities described herein is strictly prohibited without a valid export license issued by the U.S. Department of State, Directorate of Defense Trade Controls as proscribed in the International Traffic in Arms Regulations (ITAR), Title 22 Code of Federal Regulation, Parts 120-130.