

Trijicon® UTB™x

UNIVERSAL THERMAL BINOCULAR

HIGH-PERFORMANCE SITUATIONAL AWARENESS

The Trijicon® UTB™x system allows for detection at extended ranges—up to 2220 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 high quality 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 makes for extreme versatility.



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 NIR cannot
- Firing range safety and observation



Trijicon® UTB™ x Product Specifications:

WEIGHT AND DIMENSIONS	Color	Black
	Weight (without batteries)	2.34 lbs (37.5 oz)
	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)
	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	
	75 mm lens (standard)	10.5° diagonal (8.5° horizontal x 6° vertical)
	120 mm lens (long range)	6.5° diagonal (5° horizontal x 3.5° vertical)
	40 mm lens (short range)	19° diagonal (15° horizontal x 11.5° vertical)
	Minimum focus distance	5m with 75mm and 120mm lens
	Detection range (NVTherm model): 80% positive, 60 Hz, 0.75 m² size target (NATO Standard)	
	75 mm lens (standard)	2220m
	120 mm lens (long range)	2660m
	40 mm lens (short range)	1010m
	IR camera	
	Sensor	Uncooled Vox 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: 35mW
	Beam divergence	0.125-0.75 mrad @1/e
	Wavelength	625-645nm
	NOHD (unaided)	325m
	NOHD (5cm aided)	2.11km
	NOHD (12cm aided)	4.74km
	Diffuse NOHD	0m
	OD (unaided)	2.0
	OD (aided)	2.0
	NSHD	32m
	IR pointer: low-training / high-tactical	
	Class	1/3B
Power level	Training: 0.7mW/tactical: 35mW	
Beam divergence	0.125-0.75 mrad @1/e	
Wavelength	830-870nm	
NOHD (unaided)	0 m / 394m	
NOHD (5cm aided)	0 m / 2.22km	
NOHD (12cm aided)	0 m / 4.97km	
Diffuse NOHD	0 m	
OD (unaided)	None / 2.0	
OD (aided)	None / 2.0	
NSHD	0 m	
DUAL POINTERS	Visible and IR high-tactical	
	NOHD (unaided)	507m
	NOHD (5cm aided)	3.1km
	NOHD (12cm aided)	6.9km
	Diffuse NOHD	0 m
	OD (unaided)	2.0
	OD (aided)	2.0
	NSHD	32m



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EXPORT
WARNING

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