

## TIB-5050 Thermal Binoculars



observation.

TIB-5050 is a thermal imaging binoculars for medium-range observations. TIB-5050 built around high-performance FPA and a fast 50mm f/1.0 Germanium objective lens. The device offers a lot of useful features and comes in a variety of versions in order to satisfy various requirements. TIB-5050 represents a bi-ocular system designed to provide an immersive thermal imaging

**Features:** Low power consumption; completely silent system operation; rugged and durable; unauthorized location protection - lowest heat dissipation; video-out for external display and recording; manual and automatic FPA sensitivity adjustment; manual display brightness adjustment; Black Hot / White Hot polarity control; external battery pack compatibility; dust and waterproof

## TIB-5050 specifications and accessories:

Parameter	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TIB-5050DX-384	TIB-5050DX-640	TIB-5050CG	TIB-5050CG-17	TIB-5050XL	TIB-5050XL-17
Objective lens focal length, mm	50					
Objective lens F-number	f/1.0					
Spectral response	8 – 12 $\mu$ m					
FPA material	ASi uncooled					
FPA resolution, pixels	384x288	640x480	384x288	640x480	384x288	640x480
FPA sensitivity, mK	60	65	50	60	50	60
FPA refresh rate, Hz	50	25	50	25	60	30
Field of view, °	16x12					
Auto-off feature	NO		YES			
Stadiametric rangefinder	NO		YES			
Optical magnification	2x					
Digital zoom	2x,4x					
Diopter adjustment	-6...+2					
Power	2xAA					
Battery life, hours	>5		>7			
DRI (human), m	910/390/220	1,610/690/400	1,000/500/375	1,800/830/570	1,000/500/375	1,800/830/570
DRI (vehicle), m	2220/1060/735	4100/1990/1270	2500/1200/920	4350/2200/1450	2500/1200/920	4350/2200/1450
Dimensions, mm	200x140x84					
Weight, g	800					
Limited warranty	7 years					
AA Lithium batteries	2 pcs included				4 pcs included	

**TIB-5050 specifications and accessories (continued):**

Parameter	TIB-5050DX-384	TIB-5050DX-640	TIB-5050CG	TIB-5050CG-17	TIB-5050XL	TIB-5050XL-17
Soft case	Included					
Video Out cable RCA	Included					
Intelligent Picture Enhancement	NO		YES			
Hard waterproof case	Optional				Included	
Stow Safety Feature	NO		Optional		Included	
Remote control	NO		Optional		Included	
Video-out to USB	Optional					
Head mounted display	Optional					