

TIB-5100 Thermal Binoculars



TIB-5100 is a thermal imaging binoculars for long-range observations. TIB-5100 built around high-performance FPA and a fast 100mm 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-5100 represents a bi-ocular system designed to provide an immersive thermal

imaging observation.

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-5100 specifications and accessories:

Parameter	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TIB-5100DX-384	TIB-5100DX-640	TIB-5100CG	TIB-5100CG-17	TIB-5100XL	TIB-5100XL-17
Objective lens focal length, mm	100					
Objective lens F-number	f/1.4				f/1.1	
Spectral response	8 – 12 μ 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, °	8x6					
Auto-off feature	NO		Included			
Stadiametric rangefinder	NO		Included			
Optical magnification	4x					
Digital zoom	2x,4x					
Diopter adjustment	-6...+2					
Power	2xAA					
Battery life, hours	>5			>7		
DRI (human), km	1.86/0.65/0.4	1.98/0.84/0.49	2.17/0.775/0.43	2.5/1.0/0.7	2.55/0.92/0.54	2.9/1.2/0.87
DRI (vehicle), km	4.09/1.87/0.93	4.71/2.51/1.3	4.5/2.2/1.2	6.0/2.7/1.49	5.8/3.32/1.7	7.5/4.05/2.15
Dimensions, mm	240x145x120					
Weight, g	1200					
Limited warranty	7 years					
AA Lithium batteries	2 pcs included				4 pcs included	

TIB-5100 specifications and accessories (continued):

Parameter	TIB-5100DX-384	TIB-5100DX-640	TIB-5100CG	TIB-5100CG-17	TIB-5100XL	TIB-5100XL-17
Soft case	Included					
Video Out cable RCA	Included					
Intelligent Picture Enhancement	NO		Included			
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					