

TIB-5075 Thermal Binoculars



immersive thermal imaging observation.

TIB-5075 is a thermal imaging binoculars for medium- and long-range observations. TIB-5075 built around high-performance FPA and a fast 75mm 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-5075 represents a bi-ocular system designed to provide an

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-5075 specifications and accessories:

Parameter	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TIB-5075DX-384	TIB-5075DX-640	TIB-5075CG	TIB-5075CG-17	TIB-5075XL	TIB-5075XL-17
Objective lens focal length, mm	75					
Objective lens F-number	f/1.3				f/1.0	
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, °	12x9					
Auto-off feature	NO		YES			
Stadiametric rangefinder	NO		YES			
Optical magnification	3x					
Digital zoom	2x,4x					
Diopter adjustment	-6...+2					
Power	2xAA					
Battery life, hours	>5			>7		
DRI (human), m	1360/610/385	1980/790/400	1500/725/415	2200/850/430	1900/950/630	2760/1380/920
DRI (vehicle), m	3090/1370/1000	4610/2460/1190	3200/1500/1100	4800/2600/1300	4760/2380/1580	7000/3500/2300
Dimensions, mm	234x140x84					
Weight, g	900				950	
Limited warranty	7 years					
AA Lithium batteries	2 pcs included				4 pcs included	

TIB-5075 specifications and accessories (continued):

Parameter	TIB-5075DX-384	TIB-5075DX-640	TIB-5075CG	TIB-5075CG-17	TIB-5075XL	TIB-5075XL-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					