

TIG-7 Thermal Goggles



TIG-7 is a bi-ocular system for an immersive thermal imaging experience. It enables law enforcement and military personnel to see heat signatures of objects, people, and other sources. TIG-7 detects extremely small differences in temperature, so that officers can distinguish people from their immediate surroundings. While darkness and camouflage can defeat conventional night vision, suspects cannot hide from TIG-7: their own

body heat gives them away.

Features: High resolution uncooled FPAs; low power consumption; completely silent system operation; rugged and durable; unauthorized location protection - lowest heat dissipation; video-out for external display and recording; interchangeable optics; head mountable; helmet mountable; manual and automatic FPA sensitivity adjustment; manual display brightness adjustment; Black Hot / White Hot polarity control; external battery pack compatibility; dust and waterproof

TIG-7 specifications and accessories:

Parameter	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TIG-7DX-384	TIG-7DX-640	TIG-7CG	TIG-7CG-17	TIG-7XL	TIG-7XL-17
Objective lens focal length, mm	25					
Objective lens F-number	f/1.0					
Spectral response	8 – 12 μm					
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, °	23x17					
Auto-off feature	NO		Included			
Stadiametric rangefinder	NO		Included			
Reticles	8		8 + 8			
Optical magnification	1x					
Digital zoom	2x,4x					
Diopter adjustment	-6...+2					
Power	2xAA					
Battery life, hours	>5			>7		
DRI (human), km	0.51/0.275/0.18	0.81/0.355/0.22	0.635/0.31/0.21	0.92/0.51/0.3	0.635/0.31/0.21	0.92/0.51/0.3
DRI (vehicle), km	1.21/0.6/0.4	1.95/1.0/0.53	1.57/0.78/0.52	2.3/1.27/0.76	1.57/0.78/0.52	2.3/1.27/0.76
Dimensions, mm	155x145x70					
Weight, g	520					
Limited warranty	7 years					
AA Lithium batteries	2 pcs included				4 pcs included	

TIG-7 specifications and accessories (continued):

Parameter	TIG-7DX-384	TIG-7DX-640	TIG-7CG	TIG-7CG-17	TIG-7XL	TIG-7XL-17
Soft case	Included					
Video Out cable RCA	Included					
Intelligent Picture Enhancement	NO		Included			
Hard waterproof case	Optional				Included	
J-Arm adaptor	Optional				Included	
Basic headgear	Optional				Included	
Stow Safety Feature	NO		Optional		Included	
Remote control	NO		Optional		Included	
Flip-up helmet mount	Optional					
Flip-up headgear	Optional					
Video-out to USB	Optional					
Head mounted display	Optional					
Advanced helmet mounts	Optional					
50 mm interchangeable objective lens	Optional					