

TIM-14 Thermal Monocular



gear, a firearm or a tripod.

The Thermal Imaging Monocular TIM-14 is one of the most versatile thermal imagers available. Designed to meet the needs of the individual user engaged in ground-based operations, the TIM-14 can be used in several configurations. The maximized versatility of this unit makes it one of the most operation-ready thermal imagers on the market.

The user is able to mount the device onto a helmet, head

Features: quick swap battery packs; low power consumption; completely silent system operation; rugged and lightweight; unauthorized location protection - lowest heat dissipation; video-out for external display and recording; interchangeable optics; head-mountable; weapon-mountable; tripod-mountable; manual and automatic FPA sensitivity adjustment; manual display brightness adjustment; Black Hot / White Hot polarity control; external battery pack compatibility; dust and waterproof

TIM-14 specifications and accessories:

Parameter	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TIM-14DX-384	TIM-14DX-640	TIM-14CG	TIM-14CG-17	TIM-14XL	TIM-14XL-17
Objective lens focal length, mm	25					
Objective lens F-number	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, °	23x17					
Auto-off feature	NO		YES			
Reticle	8 patterns (optional)		16 patterns			
Stadiametric rangefinder	NO		YES			
Optical magnification	1x					
Digital zoom	2x,4x					
Diopter adjustment	-6...+2					
Focusing range, m	0.5 m to infinity					
Power	2xAA					
Battery life, hours	>5		>7			
NUC	Shutterless, Quiet XTi					
Start-up time, sec	~2-3	~3-4	~2-3	~3-4	~2-3	~3-4
DRI (human), m	509/275/178	808/355/221	635/313/209	917/509/306	635/313/209	917/509/306
DRI (vehicle), m	1,211/602/401	1,950/1,020/533	1,568/784/523	2,292/1,273/764	1,568/784/523	2,292/1,273/764
Dimensions, mm	135x50x45					
Weight, g	360					
Limited warranty	7 years					
AA Lithium batteries	2 pcs included				4 pcs included	
Battery packs	2 pcs included				3 pcs included	

TIM-14 specifications and accessories (continued):

Parameter	TIM-14DX-384	TIM-14DX-640	TIM-14CG	TIM-14CG-17	TIM-14XL	TIM-14XL-17
Soft case	Included					
Video Out cable RCA	Included					
Intelligent Picture Enhancement	NO		YES			
J-Arm adaptor	Optional				Included	
Basic headgear	Optional				Included	
Hard waterproof case	Optional				Included	
Stow Safety Feature	NO		Optional		Included	
Remote control	NO		Optional		Included	
Flip-up helmet mount	Optional					
Flip-up headgear	Optional					
Advanced helmet mounts	Optional					
Weapon mount	Optional					
Video-out to USB	Optional					
Head mounted display	Optional					
Interchangeable 50 mm lens	Optional					