

## TWS-3050 Thermal Weapon Sight



TWS-3050 is a rugged thermal weapon sight designed for medium-range engagements. TWS-3050 features high-performance FPAs paired to a “fast” 25mm f/1.0 Germanium objective lens. TWS-3050 has a battery life of over 7 hours on a single battery pack containing only 2 AA batteries. The device has a wide selection of useful features and offers a variety of options for result-oriented clients. The body of TWS-3050 is machined out of high-strength aircraft-grade aluminum which is then hard-anodized to make it perfectly suitable even for harsh environments.

**Features:** High resolution uncooled FPAs; 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; manual and automatic FPA sensitivity adjustment; manual display brightness adjustment; Black Hot / White Hot polarity control; high precision Aluminum hard-anodized body; external battery pack compatibility; fits any standard 1913 Picatinny rails; dust and waterproof

## TWS-3050 specifications and accessories:

Parameter	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TWS-3050DX-384	TWS-3050DX-640	TWS-3050CG	TWS-3050CG-17	TWS-3050XL	TWS-3050XL-17
Objective lens focal length, mm	50					
Objective lens F-number	f/1.0					
Spectral response	8 – 12 $\mu\text{m}$					
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		Included			
Stadiametric rangefinder	NO		Included			
Reticles	8		8 + 8			
Optical magnification	2x					
Digital zoom	2x,4x					
Diopter adjustment	-6...+2					
Power	2xAA					
Battery life, hours	>5		>7			
DRI (human), km	0.91/0.39/0.22	1.61/0.69/0.4	1.0/0.5/0.375	1.8/0.83/0.57	1.0/0.5/0.375	1.8/0.83/0.57
DRI (vehicle), km	2.22/1.06/0.735	4.1/2.0/1.27	2.5/1.2/0.92	4.35/2.2/1.45	2.5/1.2/0.92	4.35/2.2/1.45
Dimensions, mm	210x90x65					
Weight, g	700					
Limited warranty	7 years Limited					
AA batteries	4 included				6 included	
Battery packs	2 included				3 included	

**TWS-3050 specifications and accessories (continued):**

Parameter	TWS-3050DX-384	TWS-3050DX-640	TWS-3050CG	TWS-3050CG-17	TWS-3050XL	TWS-3050XL-17
Soft case	Included					
Video Out cable RCA	Included					
Low profile weapon mount	Included		NO			
MAK weapon mount	NO		Included			
Intelligent Picture Enhancement	NO		Included			
Hard waterproof case	Optional				Included	
Stow Safety Feature	NO		Optional		Included	
Remote control	NO		Optional		Included	
Recoil absorbing mount	Optional				Included	
Video-out to USB	Optional					
Head mounted display	Optional					