

TWS-3100 Thermal Weapon Sight



TWS-3100 is a high performance thermal weapon sights for long-range engagements. It utilizes “fast” 100mm objective lens that is paired to high sensitivity FPA to deliver outstanding detection ranges of over 7,500 metres. TWS-3100 is manufactured in Canada according to strict military standards. Its body is made

out of hard-anodized, high-strength aircraft grade aluminum to ensure maximum durability.

Features: High resolution uncooled FPAs; quick swap battery packs; 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; high precision Aluminum hard-anodized body; external battery pack compatibility; fits any standard 1913 Picatinny rails; dust and waterproof

TWS-3100 specifications and accessories:

Parameter	PROFESSIONAL LINE		ELITE LINE	
	TWS-3100CG	TWS-3100CG-17	TWS-3100XL	TWS-3100XL-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
FPA sensitivity, mK	50	60	50	60
FPA refresh rate, Hz	50	25	60	30
Field of view, °	9x6			
Auto-off feature	Included			
Stadiametric rangefinder	Included			
Reticles	16 patterns			
Optical magnification	4x			
Digital zoom	2x,4x			
Diopter adjustment	-6...+4			
Power	4xAA			
Battery life, hours	Up to 14	Up to 12	Up to 14	Up to 12
DRI (human), km	2.17/0.775/0.43	2.5/1.0/0.7	2.44/1.0/0.68	3.2/1.45/0.98
DRI (vehicle), km	4.5/2.2/1.2	6.0/2.7/1.49	5.8/3.35/2.0	7.5/4.575/2.475
Dimensions, mm	280x105x105		280x115x105	
Weight, kg	1.3		1.49	
Limited warranty	7 years Limited			
AA batteries	4 included		8 included	
Battery packs	2 included		3 included	
Demist shield	Included			
Long eye relief eyecup	Included			

TWS-3100 specifications and accessories (continued):

Parameter	TWS-3100CG	TWS-3100CG-17	TWS-3100XL	TWS-3100XL-17
Soft case	Included			
Video Out cable RCA	Included			
Low profile weapon mount	NO			
MAK weapon mount	Included			
Intelligent Picture Enhancement	Included			
Hard waterproof case	Optional		Included	
Stow Safety Feature	Optional		Included	
Remote control	Optional		Included	
Recoil absorbing mount	Optional		Included	
Video-out to USB	Optional			
Head mounted display	Optional			
DVD portable recorder	Optional			