



ELITE GRADE TACTICAL
THERMAL WEAPON SIGHT

TWS-3100-64



TWS-3100-64 is a series of high-performance thermal weapon sights for long-range engagements. It boasts “fast” 100mm objective lens paired to high-sensitivity FPA and together with the GSCI proprietary image enhancement solutions deliver staggering detection figure of 4,500 metres. TWS-3100-64 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. TWS-3100-64 undoubtedly dominates other high-performance weapon-mountable thermal imaging systems on the global arena.



KEY FEATURES

- ◆ Auto-NUC FPA 640x480
- ◆ 50Hz Refresh Rate
- ◆ Vehicle Detection Range: up to 4500m
- ◆ Built-In Video Recorder
- ◆ Up to 10 Hours Battery Life
- ◆ ITAR-Free System: Available for Export

MAIN APPLICATIONS

- ◆ Defence
- ◆ Law Enforcement
- ◆ Security
- ◆ Surveillance
- ◆ Border Patrol
- ◆ Reconnaissance

Designed, Developed, Manufactured by GENERAL STARLIGHT COMPANY INC.

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DISCLAIMER. Technical description, view, weight, dimensions, some optical-electronic-mechanical features of the product shown herein and/or some of its parts/components may not precisely represent the actual device and are subject to change without prior notice by the sole discretion of General Starlight Company, Inc.
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Optical Magnification	4X
Objective Lens	100mm, f/1.1
Field of View	6.2°x4.7°
Focusing Range	3m .. Infinity
Diopter Adjustment Range	-6 .. +4
FPA Resolution and Pitch	640x480, 17µm
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)
FPA Sensitivity	<50mK
FPA Refresh Rate	50Hz
Digital Zoom	2X and 4X
Display	AMOLED, Colour, 800x600
Imaging Modes	1 Monochrome + 8 Colour
Digital Video Recorder	Built-In with microSD Card
Detection Man (1.7x0.5m)	Up to 3330m
Detection Vehicle (2.3x2.3m)	Up to 4500m
Accepted Batteries	4pcs AA, any kind: Lithium, Rechargeable, Alkaline, etc.
Battery Life	Up to 10 Hours
Environmental Protection	IP67 or Better, Nitrogen-Purged Housing
Dimensions	280x115x105mm
Weight	1490 grams
Operating Temperature	-40°C .. +50°C
Warranty	7 Years, Limited
Export	Available Worldwide (Canadian Export Permit Required. GSCI provides assistance in obtaining the Permit.)



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DISTINCTIVE FEATURES

- High-Resolution Uncooled, Auto-NUC FPA 640x480
- Fast Refresh Rate: 50Hz
- Quality and “Fast” Low-F-Number Germanium Lenses
- Ultra-Low Power Consumption
- 8 Configurable User Profiles
- Built-In Video Recorder
- Stadiametric Rangefinder (SRF)
- Stow Safety Feature (SSF)
- 8+8 Reticle Patterns
- Completely Silent System Operation
- Precision-Machined Rugged Aluminum Body
- Available with Picatinny and BLASER Weapon Mounts
- Video-out for External Display and Recording
- High-Resolution Colour AMOLED Display 800x600
- 24-hour Operation
- Manual and Automatic FPA Sensitivity Adjustment
- Manual Display Brightness Adjustment
- Black Hot / White Hot Polarity Control
- Universal Power Solution: AA, USB-powered, etc.
- Complete Dust- and Waterproof Protection
- Made in Canada. Available for Worldwide Export
- 7-Year Manufacturer’s Warranty



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800x600 Colour
AMOLED Display

Full-Size Ergonomic Keypad
with Tactile Feedback

640x480
High-Performance FPA

Non-Uniformity Correction (NUC, calibration) of FPA is performed automatically, instantly and continuously to deliver crisp and highest image quality at all times. Auto-NUC technology results in no "clicks", no interruptions in device's operation. User is not distracted to perform any FPA calibrations whatsoever.

Universal Connector:
Power, Video, Remote

Up to 10 Hours
Battery Life

Hard-Anodized
Aluminum Enclosure

Accepts Variety of
Weapon Mounts

Fast Objective Lenses with
High-Grade Germanium Glass

