



ELITE GRADE LONG RANGE  
THERMAL BINOCULARS

# TIB-5100-MOD-64



TIB-5100-MOD-64 is a professional thermal binocular system equipped with uncooled, shutterless thermal engine and a fast 100mm Germanium objective lens.

The device has dual-OLED display system that designates one hi-res OLED display for each individual eyepiece and has no moving parts inside. TIB-5100-MOD-64 can be comfortably operated for prolonged viewing periods without eye strain.



With fully aluminum enclosure, TIB-5100-MOD-64 is all-around professional thermal imaging solution for day- and night-time operations that demand long-range observation capabilities.

## KEY FEATURES

- ◆ Auto-NUC FPA 640x480
- ◆ 50Hz Refresh Rate
- ◆ Vehicle Detection Range: up to 4500m
- ◆ Built-In Video Recorder
- ◆ Up to 8 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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## ELITE GRADE LONG RANGE THERMAL BINOCULARS

# TIB-5100-MOD-64

Optical Magnification	4X
Objective Lens	100mm, f/1.1
Field of View	6.2°x4.7°
Focusing Range	3m .. Infinity
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 8 Hours
Environmental Protection	IP67 or Better, Nitrogen-Purged Housing
Dimensions	240x145x120mm
Weight	1200 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
- Built-In Video Recorder
- Stadiametric Rangefinder (SRF)
- Stow Safety Feature (SSF)
- Completely Silent System Operation
- Precision-Machined Rugged Aluminum Body
- Video-out for External Display and Recording
- High-Resolution Colour AMOLED Displays 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 Dual-  
AMOLED Displays

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 8 Hours Battery  
Life

Hard-Anodized  
Aluminum Enclosure

Fits Standard Tripods

Fast Objective Lenses with  
High-Grade Germanium Glass

