



ADVANCED PHOTONICS
TACTICAL THERMAL
CLIP-ON SIGHTS

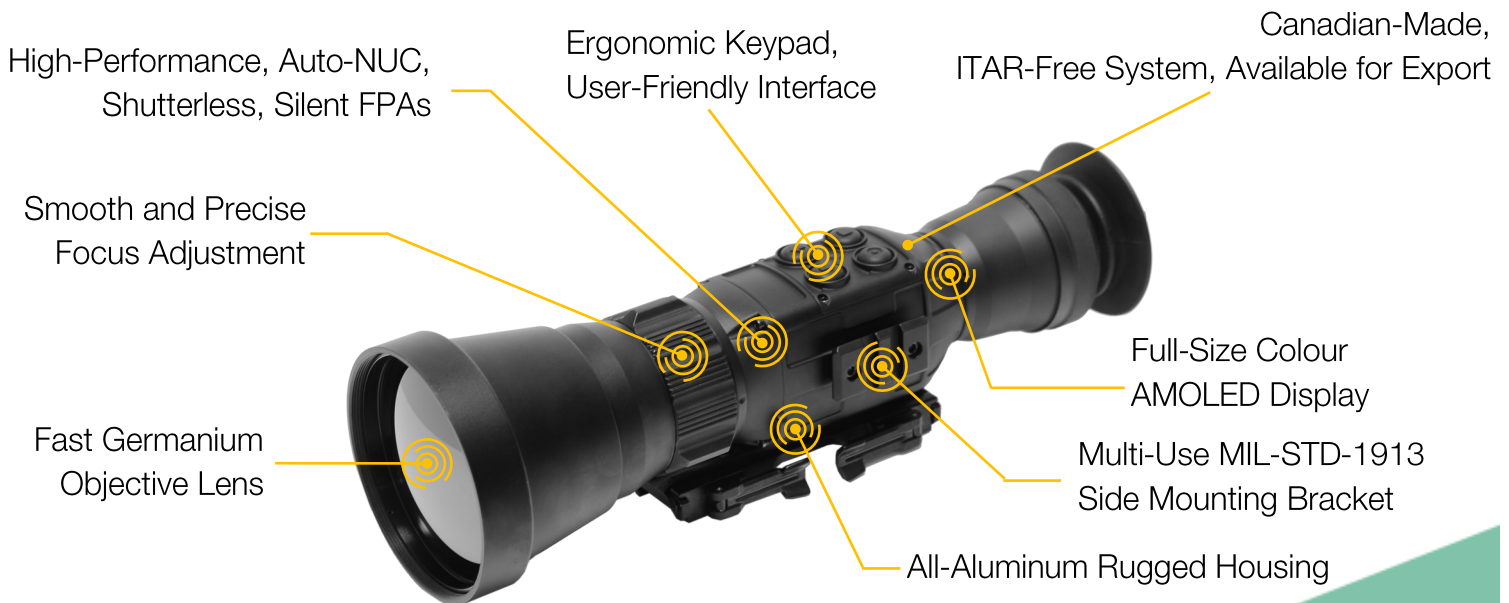
TI-GEAR-C6100

The TI-GEAR-C6100 is the professional-grade thermal clip-on sight for aiming and engagement designed to work seamlessly with a wide variety of firearms and daytime scopes. The TI-GEAR-C6100 is a plug-and-play unit, deployed in mere seconds with no zeroing needed. It is also a great tool for reconnaissance and tactical surveillance.

The latest generation silent and Auto-NUC sensor is at the base of the TI-GEAR-C6100. GSCI proprietary hardware and software solutions are built around the sensor and offer exceptional image quality along with unique tools for added tactical advantage and user safety.

The TI-GEAR-C6100 is fully dust- and waterproof, meets and exceeds modern MIL standards. The TI-GEAR-C6100 is designed for both professional users and also firearms enthusiasts. It is a robust, reliable tool for long-term, intensive use in any environment, in any lighting or weather conditions.

ADVANTAGES OF TI-GEAR-C6100



Designed, Developed, Manufactured by GENERAL STARLIGHT COMPANY INC.
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DISCLAIMER. Technical description, certain 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. Mass of the product represents measurable weight of all components this product consists of, such as optics, mechanics and electronics. Weight of Image Intensifier tubes may vary depending on the type and make of Image Intensifier tube being used and therefore is listed separately. Dimensions of the product represents measurable size of the body, including all optical components attached and in fully folded position. Dimensions of additions such as mounting brackets, eyecups, objective lens covers, and/or battery extensions may vary and therefore are not listed herein. Copyright © 1992-2020 General Starlight Co., Inc. Canada. All rights reserved.



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CLIP-ON SIGHTS

TI-GEAR-C6100

Every TI-GEAR-C6100 Clip-On Sight can be used in 3 main configurations



Clip-On (In-Line) Sight

On-Rail or On-Scope Configuration



Standalone Sight

*Direct View Eyepiece and
Weapon Mount are Required*



Hand-Held

*Direct View Eyepiece is Required, Removing
Weapon Mount (if equipped) is not necessary*



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Objective Lens System	100mm, f/1.3
Field of View	6.2°x4.7°
Focusing Range	4m .. Infinity
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)
FPA Resolution and Pitch	640x480, 17µm
FPA Sensitivity (NETD)	<50mK
FPA Refresh Rate	50Hz
Digital Zoom	1X, 2X, 4X
Internal Display	Full Size: 0.6-Inch Diagonal, AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and Multiple Colour Palettes
Shot-Initiated FOV Feature (SIF)	Built-In Adjustable Shock Sensor
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes: 7 Levels
Digital Edge Detection Feature (DED)	Yes
Wide Dynamic Range Feature (WDR)	Yes
Stow Safety Feature (SSF)	Yes
Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display)	Yes: 3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope
Integrated Compass	Yes
Pitch / Roll / Azimuth Indications	Yes
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats
Digital Video Recorder with Real-Time Stamp	Yes. Comes with removable 32GB microSD card
Electronic Reticles	Can be Enabled for Standalone Sight Configuration: 8+8 Patterns, Easy Zeroing / Calibration
Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	3330m / 4500m
Mounting to Dayscope	On-Rail
Optimal Dayscope Magnification Range	3X .. 12X
Hand-Held / Tripod-Mounted Capability	Yes: Hand-Held and Tripod-Mountable
Conversion to Standalone (Direct View) Sight	Yes
User Profiles (Configurable)	Yes: 8
Automatic/Manual Pixel Masking	Yes
Reset to Factory Defaults	Yes
External Video Feed Protection	Yes
Automatic Power Down Control	User-Configurable: 10 .. 60 minutes of inactivity
Accepted Batteries	2 (two) CR123 of Any Type: Lithium / Rechargeable
Universal Port	Video-Out, Remote Control and External Power (4VDC .. 15VDC)
Battery Life on 2x CR123	Up to 7 Hours
MIL-STD-810G Compliant	Yes
Environmental Protection	Min. IP67, Nitrogen-Purged Housing
Dimensions	230 x 85 x 85mm
Weight	750 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)

TI-GEAR-C6100 TECHNICAL DATA

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STANDARD EQUIPMENT: WHAT'S IN THE BOX



TI-GEAR-C6100

Comes with Dual-Level Quick Release mount, Lens Cover, Built-In Recorder with 32GB microSD Card and SD adapter.



Video-Out Cable



USB Power Cable



Soft Pouch



Hard Case



User's Manual



Quick Reference Card



Warranty Form

OPTIONAL EQUIPMENT



Low Profile Quick Release Dual-Lever Adjustable Rifle Mount for On-Rail Clip-On or Standalone Rifle Sight Applications



MAK Rifle Mount: Available in Picatinny and Blaser variants (comes with a mounting adapter): Standalone Rifle Sight Applications Only



External Video Recorder with SD Card



Remote Control Unit



Portable Head-Mounted Display HMD-800 (streams thermal video directly from the device)



Recoil Mitigation System RMS-50: Standalone Rifle Sight Applications Only



Direct View Eyepiece for Conversion to Standalone Rifle Sight