



ADVANCED PHOTONICS

THERMAL IMAGING
OBSERVATION MONOCULAR

TI-GEAR-M625



The TI-GEAR-M625 is the professional-grade thermal monocular designed for multiple applications that involve reconnaissance and surveillance at short- and medium-range distances.

The latest generation silent and Auto-NUC sensor is at the base of the TI-GEAR-M625. GSCI proprietary hardware and software solutions are built around the sensor and offer exceptional image quality along with unique tools for added advantage and user safety.

The TI-GEAR-M625 is fully dust- and waterproof, meets and exceeds modern standards. The TI-GEAR-M625 is designed for both professional users and outdoor 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-M625



Designed, Developed, Manufactured by GSCI Advanced Photonics
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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 Co., Inc. Mass of the product represents measurable weight of all components this product consists of, such as optics, mechanics, and electronics. 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 © 1992-2023 General Starlight Co., Inc. Canada. All rights reserved.



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TI-GEAR-M625 TECHNICAL DATA

Optical Magnification	1X
Objective Lens System	25mm
Field of View	24.5°x18.5°
Focusing Range	0.5m .. Infinity
Diopter Adjustment Range	-6 .. +4
Eyepiece	Min. 40mm
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)
FPA Resolution and Pitch	640X480, 17µm
FPA Sensitivity (NETD)	<40mK
FPA Refresh Rate	50Hz
Digital Zoom	1X, 2X, 4X, 8X
Internal Display	Full Size: 0.6-Inch Diagonal, AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 8 Colour Palettes
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes
Wide Dynamic Range Feature (WDR)	Yes
Stow Safety Feature (SSF)	Yes
Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display)	Optional: 3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope
Integrated Compass	Optional
Pitch / Roll / Azimuth Indications	Optional
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats
Digital Video Recorder with Real-Time Stamp	Optional: Comes with removable 32GB microSD card
Detection Capability: Man (1.7x0.5m) / Vehicle (2.3x2.3m)	830m / 1130m
Hand-Held Capability	Hand-Held + Helmet-Mountable + Tripod-Mountable
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
Environmental Protection	Min. IP67, Nitrogen-Purged Housing
Dimensions	140 x 60 x 60 mm
Weight	365 grams
Operating Temperature	-40°C .. +50°C
Warranty	7 Years, Limited
Made In Canada	ITAR-Free

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STANDARD EQUIPMENT: WHAT'S IN THE BOX

1	Thermal Imaging Monocular
2	Rubber Eyecup (Attached)
3	Front Lens Protective Cover (Attached)
4	USB Power Cable
5	Video-Out Cable
6	Soft Carrying Pouch
7	User Manual
8	Quick Reference Card
9	7-Year Warranty with Activation Form
10	Waterproof Hard Carrying Case
11	Cleaning Kit (3-in-1 Multi-Pen + Cleaning Cloth)

* Batteries not included

OPTIONAL EQUIPMENT

A	Advanced Helmet Mount Harness HMH-1
B	J-Arm Adapter Interface J-ARM-TI
C	Universal Remote Control Unit TRC-120 (Comes with connection cable)
D	Universal Multi-Voltage Battery Pack MVP-240 (Comes with connection cable)
E	Built-In Digital Video Recorder GS-DVR-INT (Comes with 32GB microSD card and SD adapter)
F	External Digital Video Recorder GS-EDVR (Comes with set of cables and 32GB SD card)
G	MTAR™-HUD Heads Up Display (streams video directly from the unit; equipped with built-in DVR, GPS and Integrated 9-Axis Absolute Orientation HUD)
H	Portable Head-Mounted Display HMD-800-MOD (streams thermal video directly from the device)
I	Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display), 3-Axis Sensors for Compass Reading, Inclinometer/ Pitch Reading, and Level/Roll Reading