GSCI
ADVANCED PHOTONICS

MULTI-PURPOSE THERMAL MONOCULAR

TI-GEAR-M675

The TI-GEAR-M675 is the professional-grade thermal monocular designed for multiple applications that involve reconnaissance and tactical surveillance at medium– and long-range distances.

The latest generation silent and Auto-NUC sensor is at the base of the TI-GEAR-M675. 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.

Apart from hand-held, helmet-mounted configurations, the TI-GEAR-M675 can easily be converted into a full-feature thermal weapon and clip-on sight. The TI-GEAR-M675 is fully dust- and waterproof, meets and exceeds modern standards. The TI-GEAR-M675 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-M675
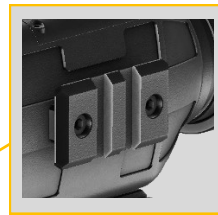
Comfortable Eyepiece with Long Eyerelief

Full-Size Colour AMOLED Display

High-Performance, Auto-NUC Shutterless, Silent FPA

All-Aluminum Rugged Housing

Canadian-Made, ITAR-Free System

Ergonomic Keypad, User-Friendly Interface

Multi-Use MIL-STD-1913 Side Mounting Bracket

Smooth and Precise Focus Adjustment

Fast Germanium Objective Lens

7 YEARS WARRANTY

ISO 9001:2015

30 YEARS OF SUCCESS

MADE IN CANADA — FABRIQUÉ AU CANADA

Designed, Developed, Manufactured by GSCI Advanced Photonics
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Every TI-GEAR-M675 Monocular can be used in 3 main configurations

Hand-Held

No Additional Equipment Required

Standalone Sight

Weapon Mount Required

Clip-On (In-Line) Sight

Clip-On Adapter and Weapon Mount / Scope Adapter Clamp Required

TI-GEAR-M675 TECHNICAL DATA

Optical Magnification	3X
Objective Lens System	75mm
Field of View	8.3°x6.2°
Focusing Range	3m .. Infinity
Diopter Adjustment Range	-6 .. +4
Eyerelief	Min. 40mm
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, 8X
Internal Display	Full Size: 0.6-Inch Diagonal, AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 8 Colour Palettes
Shot-Initiated FOV Feature (SIF)	Optional: Built-In Adjustable Shock Sensor
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
Electronic Reticles	Optional: 8+8 Patterns, Easy Zeroing / Calibration
Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	2500m / 3380m
Hand-Held Configuration	Yes
Conversion to Clip-On (In-Line) Sight	Yes
Conversion to Standalone (Direct-View) Sight	Yes
Tripod-Mountable Configuration	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
Environmental Protection	Min. IP67, Nitrogen-Purged Housing
Dimensions and Weight	195 x 66 x 66 mm , 525 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	Universal Remote Control Unit TRC-120 (Comes with connection cable)
B	Universal Multi-Voltage Battery Pack MVP-240 (Comes with connection cable)
C	Built-In Digital Video Recorder GS-DVR-INT (Comes with 32GB microSD card and SD adapter)
D	External Digital Video Recorder GS-EDVR (Comes with set of cables and 32GB SD card)
E	Portable Head-Mounted Display HMD-800-MOD (streams thermal video directly from the device, comes with connection cable)
F	Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display), 3-Axis Sensors for Compass Reading, Inclinometer/ Pitch Reading, and Level/Roll Reading
G	Dual Lever Adjustable Rifle Mount DLM (Picatinny, with fine-tune knobs for tolerance adjustments)
H	Heavy-Duty Quick Release Rifle Mount MAK-QR-BLASER (Blaser, Adapter included)
I	Heavy-Duty Quick Release Rifle Mount MAK-QR-PICATINNY (PICATINNY, Adapter included)
J	Heavy-Duty Rifle Mount MAK-PICATINNY (PICATINNY, Adapter included, Allen Key Included)
K	Adapter for MAK Mount: Regular Length (ADAPTER-REG) or Extended Length (ADAPTER-EXT)
L	Clip-On Adapter COA
M	Day Scope Adapter Clamp for COA for direct mounting onto daytime optics, CO-DSA (various sizes available)
N	Long Eyerelief Rubber Eyecup GSCI-EYECUP-LR