GSCI
ADVANCED PHOTONICS

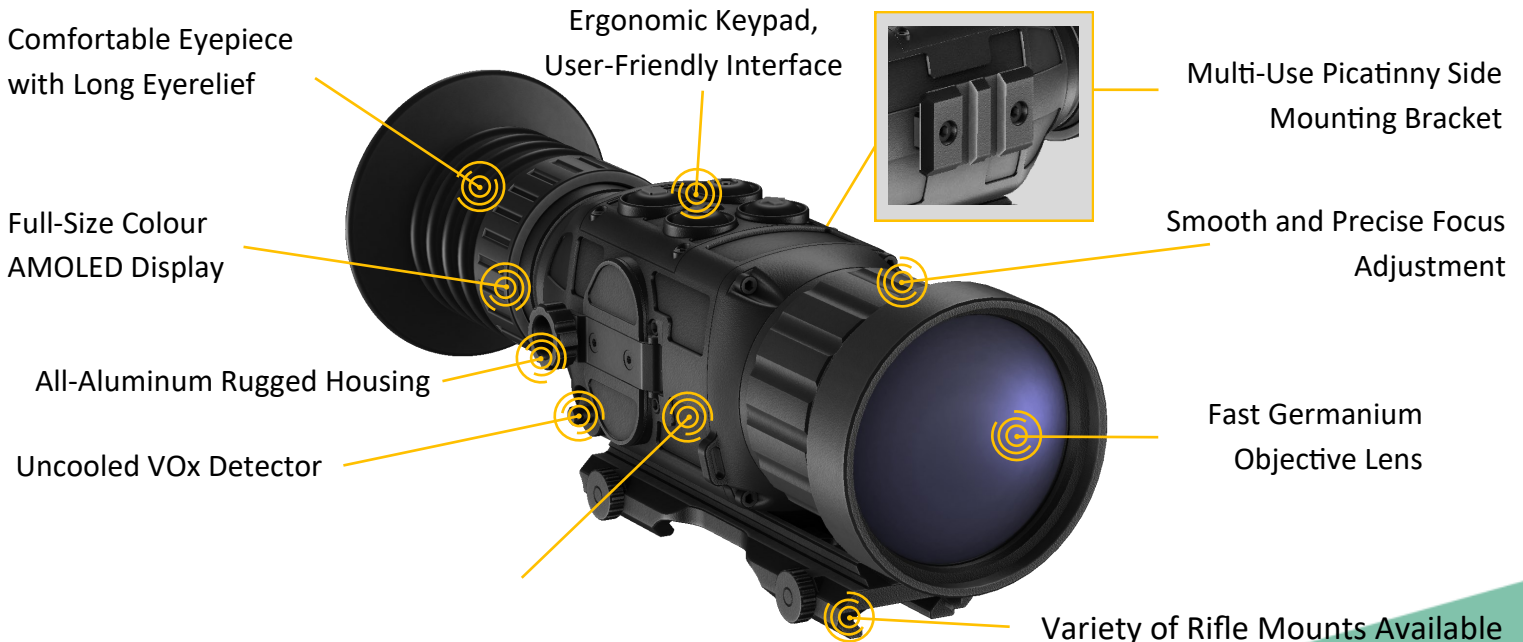## MEDIUM RANGE
THERMAL SIGHT

TI-GEAR-MR6S

GSCI Advanced Photonics medium-range thermal sights TI-GEAR-MR6S are designed for a wide range of applications for professional users, and provide them with an unrivaled advantage during day and night operations in detecting, observing and engaging targets.

The TI-GEAR family incorporates the latest infrared technology, electronics and the highest quality optical components to deliver best in class performance and reliability. All model variations produce superior infrared imagery, ensuring target recognition and engagement at the maximum possible range, while preserving the legacy format, features and options.

The new members of the legendary TI-GEAR family are based on 12-micron uncooled VOx sensor and are built for plug-and-play applications, with increased detection and recognition capabilities and the comfort of distortion-free long eyerelief. Answering our customers calls for simplicity paired with high quality – turn it on, point, and the possibilities are limitless.

ADVANTAGES OF TI-GEAR-MR6S

Comfortable Eyepiece with Long Eyerelief

Ergonomic Keypad, User-Friendly Interface

Multi-Use Picatinny Side Mounting Bracket

Full-Size Colour AMOLED Display

Smooth and Precise Focus Adjustment

All-Aluminum Rugged Housing

Uncooled VOx Detector

Fast Germanium Objective Lens

Variety of Rifle Mounts Available

7 YEARS WARRANTY

ISO 9001:2015

32 YEARS OF SUCCESS

MADE IN CANADA FABRIQUE AU CANADA

Designed, Developed, Manufactured by GSCI Advanced Photonics
420 WHITMORE ROAD, UNIT 20, WOODBRIDGE, ONTARIO, L4L6A5, CANADA
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MEDIUM RANGE THERMAL SIGHT
TI-GEAR-MR6S

TI-GEAR-MR6S TECHNICAL DATA

Optical Magnification	2.8X
Objective Lens System	50mm
Field of View	8.7° x 6.5°
Focusing Range	1.5m .. Infinity
Diopter Adjustment Range	-6 .. +4
Eyerelief	> 40mm
FPA Type	Uncooled VOx Detector
FPA Resolution and Pitch	640x512, 12µm
FPA Sensitivity (NETD)	<40mK
FPA Refresh Rate	50Hz
Digital Zoom	1X, 2X, 4X
Internal Display	Large Size: 0.6-Inch Diagonal, AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 4 Colour Palettes
Shot-Initiated FOV Feature (SIF)	Built-In Adjustable Shot Sensor
Electronic Reticles	8 Patterns, Easy Zeroing / Calibration
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes
Signal Noise Reduction (SNR)	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
Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	2360m / 3190m
Recognition Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	885m / 1195m
Identification Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	470m / 635m
Hand-Held Configuration	Yes
Tripod-Mountable	Yes
User Profiles (Configurable)	Yes
Reset to Factory Defaults	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 6 Hours
Environmental Protection	Fully Waterproof, Nitrogen-Purged Housing
Dimensions	172 x 60 x 60 mm
Weight	475 grams
Operating Temperature	-40°C .. +55°C
Warranty	7 Years, Limited
Made In Canada	ITAR-Free

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MEDIUM RANGE
THERMAL SIGHT
TI-GEAR-MR6S

STANDARD EQUIPMENT: WHAT'S IN THE BOX

1	Thermal Imaging Sight
2	Long Eyerelief Rubber Eyecup (*Attached*)
3	Front Lens Protective Cover (*Attached*)
4	Adjustable Dual Quick Release Weapon Mount DLM (*PICATINNY, with fine-tune knobs for tolerance adjustments*)
5	Demist Shield
6	USB Power Cable
7	Video-Out Cable
8	Soft Carrying Pouch
9	User Manual
10	Quick Reference Card
11	Waterproof Hard Carrying Case
12	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	External Digital Video Recorder **GS-EDVR** (*Comes with set of cables and 32GB SD card*)
D	**MTAR™-HUD** Heads Up Display (*streams video directly from the unit; equipped with built-in DVR, GPS and Integrated 9-Axis Absolute Orientation HUD*)
E	**HMD-800-MOD** Heads Up Display (*streams video directly from the unit*)
F	Integrated 9-**Axis Absolute Orientation HUD** (Heads-Up Display), 3-Axis Sensors for Compass Reading, Inclinometer/Pitch Reading, and Level/Roll Reading
G	Heavy-Duty Quick Release Rifle Mount **MAK-QR-BLASER** (*Blaser, Adapter included*)
H	Heavy-Duty Quick Release Rifle Mount **MAK-QR-PICATINNY** (*PICATINNY, Adapter included*)
I	Heavy-Duty Rifle Mount **MAK-PICATINNY** (*PICATINNY, Adapter included, Allen Key Included*)
J	Adapter for MAK Mount: Regular Length (**ADAPTER-REG**) or Extended Length (**ADAPTER-EXT**)

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