



# TIM-14

## Thermal Imaging Multi-Purpose Monocular



### KEY FEATURES

- ▶ Objective Lens: 25mm f/1.0
- ▶ FPA: 384x288 or 640x480
- ▶ Refresh Rate: up to 60Hz
- ▶ Battery life: over 7 hours
- ▶ Integrated Stadiametric Rangefinder
- ▶ Vehicle Detection Range: up to 2,292 m
- ▶ 7-Year Warranty
- ▶ Made in Canada. ITAR-free

### OVERVIEW

The Thermal Imaging Multi-Purpose Monocular **TIM-14** is one of the most versatile thermal imagers available. Designed to meet the needs of the individual user engaged in ground-based operations, the **TIM-14** can be used in several configurations. The maximized versatility of this unit makes it one of the most operation-ready thermal imagers on the market. A user is able to mount the device onto a helmet, head gear, a firearm or a tripod.

### DETECTION RANGES



Up to 3,110 m

Up to 917 m



Developed and manufactured by  
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### TIM-14 DISTINCTIVE FEATURES

- High-Resolution Uncooled FPAs: 384x288 or 640x480
- Fast Refresh Rate: up to 60Hz
- Quality and “Fast” Low-F-Number Germanium Lenses
- Quick Swap Battery Packs
- Low Power Consumption
- Completely Silent System Operation
- Rugged and Lightweight
- Unauthorized Location Protection: Lowest Heat Dissipation
- Video-out for External Display and Recording
- Interchangeable Optics
- High-Resolution Micro-OLED Display 800x600
- Auto-Off Feature
- Head-Mountable
- Weapon-Mountable: Fits any Standard 1913 Picatinny Rails
- 16 Selectable Reticle Patterns
- Tripod-Mountable
- Integrated Stadiametric Rangefinder
- 24-hour Operation
- Vehicle Detection Range of up to 2,292 metres
- Manual and Automatic FPA Sensitivity Adjustment
- Manual Display Brightness Adjustment
- Black Hot / White Hot Polarity Control
- External Battery Pack Compatibility
- GSCI Proprietary Image-Enhancing Solutions (IES™)
- Dust- and Waterproof Protection
- Optional Remote Control\*
- Available for Worldwide Export
- 7-Year Manufacturer’s Warranty
- Made in Canada

### TIM-14 REAL-LIFE PERFORMANCE



\* Optional remote control will become available in September 2015

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Ergonomic Buttons with  
Tactile Feedback

GSCI Inline Keypad Layout  
guarantees convenient use  
and comfortable operation  
unlike hard-to-operate  
diamond-shape keypads.

640x480 or 384x288  
High-Performance FPAs

800x600  
MicroOLED  
Display

Smooth and Inaudible  
Focus Adjustment

Over 7 Hours  
Battery Life

25mm f/1.0 "Fast"  
Germanium Lens



HMD-800

The unique and priority option: the head-mounted display HMD-800. This is a portable and feather-light unit with an OLED micro-display that transmits real-time thermal video image from any GSCI thermal system. The HMD-800 enables using the thermal unit by 2 crew members simultaneously.

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## Thermal Imaging Multi-Purpose Monocular

TIM-14 TECHNICAL DATA						
MODEL	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TIM-14DX-384	TIM-14DX-640	TIM-14CG	TIM-14CG-17	TIM-14XL	TIM-14XL-17
Objective Lens Focal Length	25mm					
Objective Lens F-number	f/1.0					
FPA Resolution	384x288 pixels	640x480 pixels	384x288 pixels	640x480 pixels	384x288 pixels	640x480 pixels
FPA Sensitivity	60mK	65mK	50mK	60mK	50mK	60mK
FPA Refresh Rate	50Hz	25Hz	50Hz	25Hz	60Hz	30Hz
Magnification Optical	1X					
Magnification Digital	2X, 4X					
Maximum Total Magnification	4X					
Diopter Adjustment	-6 .. +2					
Power Source	2pcs Standard AA Batteries					
Battery life, hours	Over 5		Over 7			
DRI, Human (1.7x0.4m)	509/275/178	808/355/221	635/313/209	917/509/306	635/313/209	917/509/306
DRI, Vehicle (2.3x2.3m)	1,211/602/401	1,950/1,020/533	1,568/784/523	2,292/1,273/764	1,568/784/523	2,292/1,273/764
Dimensions, mm	135x50x45					
Mass, grams	360					
Warranty	7 Years, Limited					

\* DRI = Detection/Recognition/Identification distances for a specific target

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KIT CONTENTS	MODEL NAME	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
		TIM-14DX-384	TIM-14DX-640	TIM-14CG	TIM-14CG-17	TIM-14XL	TIM-14XL-17
Objective Lens		25 mm, F:1.0	25 mm, F:1.0	25 mm, F:1.0	25 mm, F:1.0	25 mm, F:1.0	25 mm, F:1.0
FPA Format		384x288	640x480	384x288	640x480	384x288	640x480
FPA Sensitivity		60 mK	65 mK	50 mK	60 mK	50 mK	60 mK
FPA Refresh Rate		50 Hz	25 Hz	50 Hz	25 Hz	60 Hz	30 Hz
AA Lithium Batteries		2 pcs.	2 pcs.	2 pcs.	2 pcs.	4 pcs.	4 pcs.
Quick-Swap Battery Packs		2 pcs.	2 pcs.	2 pcs.	2 pcs.	3 pcs.	3 pcs.
Soft Carrying Pouch		●	●	●	●	●	●
Video Out Cable (RCA)		●	●	●	●	●	●
SRF (Stadiametric Rangefinder)		—	—	●	●	●	●
16 Patterns Electronic Reticle		—	—	●	●	●	●
Auto-OFF Feature		—	—	●	●	●	●
IPE (Intelligent Picture Enhancement)		—	—	●	●	●	●
J-Arm adapter		○	○	○	○	●	●
Basic Head Gear PHG-7		○	○	○	○	●	●
Hard Carrying Case		○	○	○	○	●	●
SSF (Stow Safety Feature)		—	—	○	○	●	●
Remote Control		—	—	○	○	●	●
Flip-Up Helmet Mount HM-714M		○	○	○	○	○	○
Flip-Up Head Gear HG-714XM		○	○	○	○	○	○
Advanced Helmet Mount HM-714XM—SR		○	○	○	○	○	○
Advanced Helmet Mount HM-714XM—C		○	○	○	○	○	○
Dual Throw Lever Weapon Mount		○	○	○	○	○	○
VO-USB (Video-Out to USB Adapter and Software)		○	○	○	○	○	○
HMD-800 (Head Mounted Display; OLED 800x600)		○	○	○	○	○	○

“●” = Included, “○” = Optional “—” = Not available in this configuration

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