



always a step ahead...since 1992

# TIM-14TTX



## THERMAL IMAGING MULTI-PURPOSE MONOCULAR

**TIM-14TTX** gathered the most up to date technological advancements, currently developed. It's unbeatable performance and unique features was achieved with GSCI experience, professional, thorough technical knowledge and market research.



Devices have been built in accordance to GSCI proprietary **LDH™** Concept (Light Durable Housing), have CNC machined aircraft aluminum rigid, light weight bodies and smallest in Industry physical dimensions.

## UNIQUE FEATURES

- Multi-Use System Design
- High Performance FPA
- High Refresh Rate: up to 60 Hz
- Shutterless and Soundless XTi
- Low Power Consumption
- Hot Swappable Batteries
- Manual/Automatic Sensitivity Control
- Manual Brightness Control
- Light Weight, Small Size
- Shock and Water Proof IP67
- Interchangeable Optics
- Head Mountable
- Helmet Mountable
- Weapon Mountable

## USAGE APPLICATIONS

*Surveillance, Border security, Aerospace, Military, Maritime, Tactical Entry, Evidence Retrieval, Marine Patrol, Disturbed Surfaces, Search and Rescue, Hidden Compartments, Officer Safety, Fugitive Searches, Reconnaissance.*



## GENERAL STARLIGHT COMPANY

P.O. Box 32154, Richmond Hill, ON, L4C9S3, Canada  
Tel. (905)850 0990, Web: [www.gsci1.com](http://www.gsci1.com) E-mail: [gsci@gsci1.com](mailto:gsci@gsci1.com)

DISCLAIMER. Technical description, view, weight, dimensions, some optical-electronic-mechanical features of the product shown herein and/or some of its parts/components may not precisely represent the actual view and values of the working model and are subject to change without prior notice by the sole discretion of the Manufacturer. \*Contact us for further clarifications. Information contained in this message is proprietary of General Starlight Co., protected from disclosure, highly confidential, and may be privileged. This information is intended to be conveyed only to designated recipients of the message. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, unauthorized use, distribution or copying of this material is strictly prohibited and may be unlawful. Copyright © 1992-2012 General Starlight Co., Inc. Canada. All rights reserved.





always a step ahead...since 1992

# TIM-14TTX



## PERFORMANCE DATA

MODEL	TIM-14TTX	TIM-14TTX-17
F.P.A. Material	ASi, Uncooled	ASi, Uncooled
Spectral Response	8-12 um	8-12 um
F.P.A. Format	384 x 288, 25µm	640x480, 17µm
Thermal Sensitivity	50 mK	50 mK
Refresh Rate	60 Hz	30 Hz
NUC	Shutterless, Quiet	Shutterless, Quiet
Start up time	~2-3 sec.	~4-6 sec.
OLED Micro Display	Resolution 852x600	Resolution 852x600
Polarity Control	White Hot/Black Hot	White Hot/Black Hot

## OPTICAL, MECHANICAL DATA

MODEL	TIM-14TTX	TIM-14TTX-17
Lens	25 mm, F: 1.0	25 mm, F: 1.0
FOV	23° x 17°	23° x 17°
Diopters Adjustments	+2/-5	+2/-5
Powered By CR123 batteries	2 pcs.	2 pcs.
Continuous Operation time.	Up to 5 hours	Up to 4 hours
Weight, w/o batteries	360 Grams	380 Grams
Dimensions	125x50x45 mm	135x50x45 mm

## OPTIONAL ACCESSORIES

- Flip Up type AN/PVS-7 Head Gear or Helmet Mount
- HUB-14, Horizontal Universal Bracket
- Electronically adjustable reticle (ER)
- Digital USB Adapter and Software
- Interchangeable Lens 50 mm, F:1.0
- Integrated IR Laser Pointer 840 or 905 nm, <5 mW.
- Picatinny Weapon Mount.

## LONG RANGE CONFIGURATION

TIM-14 may be customized as Long Range Thermal Imaging system. In order to achieve expected performance, GSCI use the only High performance optical lenses, proprietary image processing software. Such system can be mounted on tripod and may be supplied as "stand alone" or with optional Head Mounted Display HMD-640 or external monitor.

\*Detection range shown in the below table is approximate and may differ, depending on weather conditions, air temperature, humidity and other factors. See also "Johnson Criteria".

MODEL NAME	TIM-1475	TIM-14100	TIM-14150
Lens Size/F#	75 mm/F:1.0	100 mm/F:1.0	150 mm/F:1.0
Magnification Optical	3X	4X	6X
Magnification Total w/Digital Zoom	6X-12X	8X-16X	12X-24X
Detection of Human Figure. 384x288/640x480	~1200/2000 m	~1600/2500 m	~2000/3000 m
Detection of Idling Car. 384x288/640x480	~2000/3000 m	~3000/4000 m	~4000/5000 m



## GENERAL STARLIGHT COMPANY

P.O. Box 32154, Richmond Hill, ON, L4C9S3, Canada  
 Tel. (905)850 0990, Web: [www.gsci1.com](http://www.gsci1.com) E-mail: [gsci@gsci1.com](mailto:gsci@gsci1.com)

DISCLAIMER. Technical description, view, weight, dimensions, some optical-electronic-mechanical features of the product shown herein and/or some of its parts/components may not precisely represent the actual view and values of the working model and are subject to change without prior notice by the sole discretion of the Manufacturer. \*Contact us for further clarifications. Information contained in this message is proprietary of General Starlight Co., protected from disclosure, highly confident, and may be privileged. This information is intended to be conveyed only to designated recipients of the message. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, unauthorized use, distribution or copying of this material is strictly prohibited and may be unlawful. Copyright © 1992-2012 General Starlight Co., Inc. Canada. All rights reserved.

