



TIB-5075

Long Range Thermal Imaging Binoculars



KEY FEATURES

- ▶ Objective Lens: 75mm f/1.3 or 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 7,000 m
- ▶ 7-Year Warranty
- ▶ Made in Canada. ITAR-free

OVERVIEW

TIB-5075 is a series of high-performance thermal imaging binoculars for medium-to long-range observation. It boasts “fast” 75mm objective lenses that are paired to high-sensitivity FPAs and together with the GSCI proprietary image enhancement solutions deliver staggering detection figures of up to 7,000 metres. Outstanding technical characteristics and numerous unique features and options make TIB-5075 a true professional choice.

DETECTION RANGES



Up to 8,740 m

Up to 2,760 m



Developed and manufactured by
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TIB-5075 DISTINCTIVE FEATURES

- High-Resolution Uncooled FPAs: 384x288 or 640x480
- Fast Refresh Rate: up to 60Hz
- Quality and “Fast” Low-F-Number Germanium Lenses
- Low Power Consumption
- Completely Silent System Operation
- Rugged and Durable
- Unauthorized Location Protection: Lowest Heat Dissipation
- Video-out for External Display and Recording
- Over 7 Hours Battery Life
- High-Resolution Micro-OLED Display 800x600
- Auto-Off Feature
- Integrated Stadiametric Rangefinder
- 24-hour Operation
- Vehicle Detection Range of up to 7,000 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

TIB-5075 REAL-LIFE PERFORMANCE



* Optional remote control will become available in September 2015

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Dual-Eyepiece Optical Systems for Immersive Observation

Ergonomic Buttons with Tactile Feedback

Over 7 Hours Battery Life



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.

640x480 or 384x288
High-Performance FPAs

Smooth and Inaudible Focus Adjustment

75mm "Fast"
Germanium Lens



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TIB-5075 TECHNICAL DATA						
MODEL	<div>ADVANCED LINE</div>		<div>PROFESSIONAL LINE</div>		<div>ELITE LINE</div>	
	TIB-5075DX-384	TIB-5075DX-640	TIB-5075CG	TIB-5075CG-17	TIB-5075XL	TIB-5075XL-17
Objective Lens Focal Length	75mm					
Objective Lens F-number	f/1.3				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	3X					
Magnification Digital	2X, 4X					
Maximum Total Magnification	12X					
Diopter Adjustment	-6 .. +2					
Power Source	2pcs AA Batteries					
Stow Safety Feature	No	No	Optional	Optional	Yes	Yes
Battery life, hours	Over 5		Over 7			
DRI, Human (1.7x0.4m)	1,360/610/385	1,980/790/400	1,500/725/415	2,200/850/430	1,900/950/630	2,760/1,380/920
DRI, Vehicle (2.3x2.3m)	3,090/1,370/1,000	4,610/2,460/1,190	3,200/1,500/1,100	4,800/2,600/1,300	4,760/2,380/1,580	7,000/3,500/2,300
Dimensions, mm	234x140x84					
Mass, grams	900				950	
Warranty	7 Years, Limited					

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

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*HMD-800 shown with HM-714XM-SR Helmet Mount and connected to GSCI TLR-7100M System

All GSCI Thermal Imaging Systems can be supplied with HMD-800 - Head-Mounted Display: the unique tool that provides secure and comfortable thermal image observation.

KIT CONTENTS	MODEL NAME	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
		TIB-5075DX-384	TIB-5075DX-640	TIB-5075CG	TIB-5075CG-17	TIG-5075XL	TIG-5075XL-17
Objective Lens		75 mm, F:1.3	75 mm, F:1.3	75 mm, F:1.3	75 mm, F:1.3	75 mm, F:1.0	75 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.
Soft Carrying Pouch		●	●	●	●	●	●
Video Out Cable (RCA)		●	●	●	●	●	●
SRF (Stadiametric Rangefinder)		—	—	●	●	●	●
Auto-OFF Feature		—	—	●	●	●	●
IPE (Intelligent Picture Enhancement)		—	—	●	●	●	●
Hard Carrying Case		○	○	○	○	●	●
SSF (Stow Safety Feature)		—	—	○	○	●	●
Remote Control		—	—	○	○	●	●
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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