

### 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

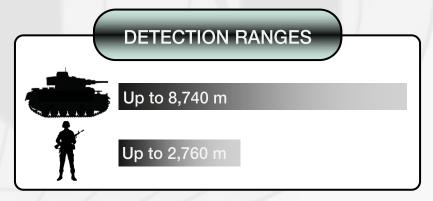
▶ 7-Year Warranty

► 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.





Developed and manufactured by **GENERAL STARLIGHT COMPANY INC.** 

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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

<sup>\*</sup> Optional remote control will become available in September 2015



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TIB-5075 TECHNICAL DATA											
MODEL		NCED LINE	PROFES	SIONAL LINE	ELITE LINE						
PARAMETER	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	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	Ove	er 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					50					
Warranty	7 Years, Limited										

<sup>\*</sup> 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.

	ADVANCED LINE		PROFESSIONAL			
					ELITE	
KIT MODEL NAME CONTENTS	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	0	0	0	0	•	• /
SSF (Stow Safety Feature)	_		0	0	•	•
Remote Control	_	-	0	0	•	1
VO-USB (Video-Out to USB Adapter and Software)	0	0	0	0	0	0
HMD-800 (Head Mounted Display; OLED 800x600)	0	0	0	0	0	0
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<sup>&</sup>quot;●" = Included, "O" = Optional, "—" = Not available in this configuration