



TWS-3075

Thermal Imaging Weapon Sight



KEY FEATURES

- ▶ Objective Lens: 75mm f/1.3 or f/1.0
- ▶ FPA: 384x288 or 640x480
- ▶ Refresh Rate: up to 60Hz
- ▶ Battery life: up to 14 hours
- ▶ Integrated Stadiametric Rangefinder
- ▶ Vehicle Detection Range: up to 7,000 m
- ▶ 7-Year Warranty
- ▶ Made in Canada. ITAR-free

OVERVIEW

TWS-3075 is a series of high-performance thermal weapon sights for medium- to long-range engagements. 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. TWS-3075 is manufactured in Canada according to strict military standards. Its body is made of hard-anodized, high-strength aircraft grade aluminum to ensure maximum durability. Outstanding technical characteristics, numerous unique features and options make sights TWS-3075 a true professional choice.

DETECTION RANGES



Up to 8,740 m

Up to 2,760 m



Developed and manufactured by
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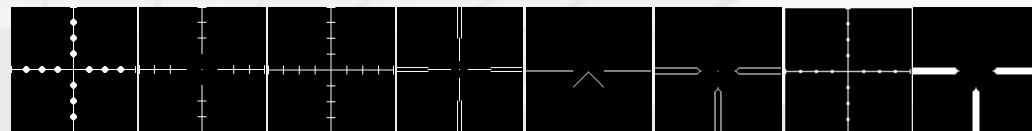
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TWS-3075 DISTINCTIVE FEATURES

- 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 Durable
- Unauthorized Location Protection: Lowest Heat Dissipation
- Video-out for External Display and Recording
- Up to 14 Hours Battery Life
- High-Resolution Micro-OLED Display 800x600
- Auto-Off Feature
- Weapon-Mountable: Fits any Standard 1913 Picatinny Rails
- 16 Selectable Reticle Patterns
- 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

TWS-3075 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

Up to 14 Hours
Battery Life

Fits MIL STD 1913
Picatinny Rail

50mm 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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TIB-5075 TECHNICAL DATA							
PA- RAMETER	MODEL	<div>ADVANCED LINE</div>		<div>PROFESSIONAL LINE</div>		<div>ELITE LINE</div>	
		TWS-3075DX-384	TWS-3075DX-640	TWS-3075CG	TWS-3075CG-17	TWS-3075XL	TWS-3075XL-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						
Dioptr Adjustment	-6 .. +2						
Power Source	4 pcs AA Batteries (Lithium, Rechargeable or Alkaline)						
Stow Safety Feature	No	No	Optional	Optional	Yes	Yes	
Battery life, hours	Up to 11	Up to 10	Up to 14	Up to 12	Up to 14	Up to 12	
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	240x90x90				240x100x90		
Mass, grams	1,050				1,080		
Warranty	7 Years, Limited						

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

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ADVANCED
LINE



ELITE
LINE



*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	
		TWS-3075DX-384	TWS-3075DX-640	TWS-3075CG	TWS-3075CG-17	TWS-3075XL	TWS-3075XL-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 Included		4 pcs.	4 pcs.	4 pcs.	4 pcs.	8 pcs.	8 pcs.
Quick-Swap Battery Packs		2 pcs.	2 pcs.	2 pcs.	2 pcs.	3 pcs.	3 pcs.
Soft Carrying Pouch		●	●	●	●	●	●
Video Out Cable		●	●	●	●	●	●
SRF (Stadiametric Rangefinder)		—	—	●	●	●	●
8 Patterns Electronic Reticle		●	●	—	—	—	—
16 Patterns Electronic Reticle		—	—	●	●	●	●
Auto-OFF Feature		—	—	●	●	●	●
IPE (Intelligent Picture Enhancement)		—	—	●	●	●	●
Low Profile Weapon Mount		●	●	—	—	—	—
MAK Picatinny Weapon Mount		○	○	●	●	●	●
Recoil Absorbing Mount		○	○	○	○	●	●
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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