



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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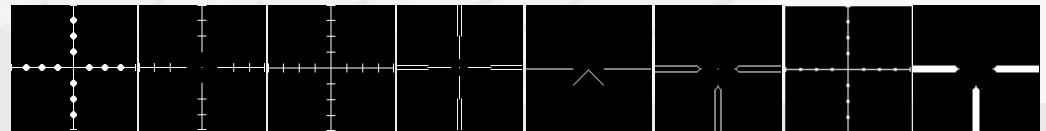
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TWS-3075 DISTINCTIVE FEATURES

- 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





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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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TWS-3075 TECHNICAL DATA						
MODEL PARAMETER	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	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	
Field Of View, Degrees	12x9					
Magnification Optical	4.5X	3X				
Magnification Digital	2X, 4X					
Maximum Total Magnification	18X	12X				
Diopter Adjustment	-6 .. +4					
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
Power Source	4pcs Any Standard AA Batteries: Alkaline, Rechargeable, Lithium, etc.					
Battery life, hours	5 / 7 / 11	4 / 6 / 10	6 / 8 / 14	5 / 7 / 12	6 / 8 / 14	5 / 7 / 12
DRI, Human (1.7x0.4m)*, m	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)*, m	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	1050				1080	
Warranty	7 Years, Limited					
Export	Available for Export Worldwide**					

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

** Canadian Export Permit Required. GSCI provides full assistance in obtaining Export Permit



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Standard and Optional Accessories for TWS-3075: Delivery Set

		ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
		TWS-3075DX-384	TWS-3075DX-640	TWS-3075CG	TWS-3075CG-17	TWS-3075XL	TWS-3075XL-17
1	AA Lithium Batteries	4 pcs.	4 pcs.	4 pcs.	4 pcs.	8 pcs.	8 pcs.
2	Quick-Swap Battery Packs	2 pcs.	2 pcs.	2 pcs.	2 pcs.	3 pcs.	3 pcs.
3	Demist Shield	●	●	●	●	●	●
4	Long Eye Relief Rubber Eyecup	●	●	●	●	●	●
5	Soft Carrying Pouch	●	●	●	●	●	●
6	Video Out Cable	●	●	●	●	●	●
7	Low Profile Weapon Mount	●	●	—	—	—	—
8	MAK Weapon Mount	—	—	●	●	●	●
9	SRF (Stadiametric Rangefinder)	—	—	●	●	●	●
10	8 Patterns Electronic Reticle	●	●	—	—	—	—
11	16 Patterns Electronic Reticle	—	—	●	●	●	●
12	Auto-OFF Feature	—	—	●	●	●	●
13	IPE (Intelligent Picture Enhancement)	—	—	●	●	●	●
14	Hard Carrying Case	○	○	○	○	●	●
15	SSF (Stow Safety Feature)	—	—	○	○	●	●
16	Remote Control	—	—	○	○	●	●
17	Recoil Absorbing Mount (RAM)	○	○	○	○	●	●
18	VO-USB (Video-Out to USB Adapter & Software)	○	○	○	○	○	○
19	HMD-800 (Head Mounted Display; OLED 800x600)	○	○	○	○	○	○
20	DVR (Portable Video Recorder)	○	○	○	○	○	○

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



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List and Visual Representation of Standard and Optional Accessories for TWS-3075

1	AA Lithium Batteries
2	Quick-Swap Battery Packs (accommodates 4 AA batteries)
3	Demist Shield (Protects eyepiece from fogginess)
4	Long Eye Relief Rubber Eyecup
5	Soft Carrying Pouch
6	Video Out Cable (Connects TWS-3075 to any Display with RCA video in)
7	Low Profile Weapon Mount
8	MAK Weapon Mount
9	SRF (Stadiametric Rangefinder) (Electronic Feature that measures distances to objects)
10	8 Patterns Electronic Reticle
11	16 Patterns Electronic Reticle
12	Auto-OFF Feature (Device is off after 30 minutes of inactivity. Can be enabled/disabled)
13	IPE (Intelligent Picture Enhancement)
14	Hard Carrying Case (Waterproof)
15	SSF (Stow Safety Feature)
16	Remote Control
17	Recoil Absorbing Mount (RAM) - absorbs up to 30% recoil energy
18	VO-USB (Video-Out to USB Adapter & Software: Connects TWS-3075 to a computer)
19	HMD-800 (Head Mounted Display; OLED 800x600)
20	DVR (Portable Video Recorder with SD Card Slot)

