



TWS-3025

Thermal Imaging Weapon Sights



OVERVIEW

TWS-3025 is a rugged thermal weapon sight designed for medium-range engagements. TWS-3025 features high-performance FPAs paired to a “fast” 25mm f/1.0 Germanium objective lens. TWS-3025 has best-in-class battery life of up to 14 hours on a single battery pack containing 4 AA batteries of any kind. The device is loaded with a stack of useful features and offers a variety of options for result-oriented Clients. The body of TWS-3025 is machined out of high-strength aircraft-grade aluminum which is then hard-anodized to make it perfectly suitable even for harsh environments.

KEY FEATURES

- ▶ Objective Lens: 25mm, 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 2,292m
- ▶ 7-Year Warranty
- ▶ Made in Canada. ITAR-free



DETECTION RANGES



Up to 3,110 m

Up to 917 m

Developed and manufactured by
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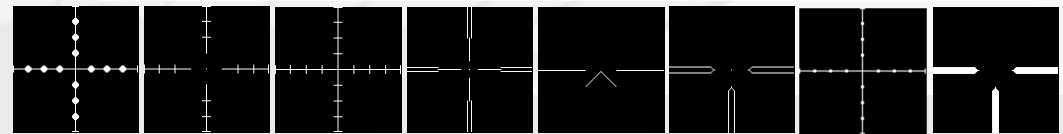
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TWS-3025 DISTINCTIVE FEATURES

- High-Resolution Uncooled FPAs: 384x288 or 640x480
- Fast Refresh Rate: up to 60Hz
- Quality and “Fast” Low-F-Number Germanium Lens
- Quick Swap Battery Packs
- Low Power Consumption
- Completely Silent System Operation
- Rugged and Lightweight
- Unauthorized Location Protection: Lowest Heat Dissipation
- Video-out for External Display and Recording
- High-Resolution Micro-OLED Display 800x600
- Auto-Off Feature
- Integrated Stadiametric Rangefinder
- 24-hour Operation
- Vehicle Detection Range of up to 2,292 metres
- Manual and Automatic FPA Sensitivity Adjustment
- Manual Display Brightness Adjustment
- Black Hot / White Hot Polarity Control
- High-Precision Aluminum Hard-Anodized Body
- External Battery Pack Compatibility
- Fits any Standard 1913 Picatinny Rails
- GSCI Proprietary Image-Enhancing Solutions (IES™)
- Dust- and Waterproof Protection
- Optional Remote Control
- Optional Recoil Absorbing Mount (RAM)
- Available for Worldwide Export
- 7-Year Manufacturer’s Warranty
- Made in Canada

TWS-3025 REAL-LIFE PERFORMANCE





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Long and Comfortable
Eye Relief

High-Resolution
Micro-OLED Display

Up To 14 hours of
Battery Life

Fast Objective
Lens with
smooth focus
adjustment



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.

Ergonomic Buttons
with Tactile Feedback

GSCI Inline Keypad Layout guarantees convenient use and comfortable operation in comparison to hard-to-operate diamond-shape keypads.

Hard-Anodized
Aluminum Body

Auxiliary Weaver
Mount

Water- and
Dustproof

Low-Profile
Weapon Mount



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TWS-3025 TECHNICAL DATA						
MODEL PARAMETER	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	TWS-3025DX-384	TWS-3025DX-640	TWS-3025CG	TWS-3025CG-17	TWS-3025XL	TWS-3025XL-17
Objective Lens Focal Length	25mm					
Objective Lens F-number	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	1.5X	1X				
Magnification Digital	2X, 4X					
Maximum Total Magnification	6X	4X				
Diopter Adjustment	-6 .. +4					
Power Source	4pcs AA Batteries					
Accepted Battery Types	Any Kind: Lithium, Alkaline, Rechargeable, etc.					
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)	509/275/178	808/355/221	635/313/209	917/509/306	635/313/209	917/509/306
DRI, Vehicle (2.3x2.3m)	1,211/602/401	1,950/1,020/533	1,568/784/523	2,292/1,273/764	1,568/784/523	2,292/1,273/764
Dimensions, mm	170x70x75					
Mass, grams	488					
Warranty	7 Years, Limited					

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

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. The product described herein is fully MIL-SPEC Compliant. Contact us for further clarifications. Information contained in this message is proprietary of General Starlight Co., Inc. 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 © 1992-2016 General Starlight Co., Inc. Canada. All rights reserved.



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Standard and Optional Accessories for TWS-3025: Delivery Set



		ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
		TWS-3025DX-384	TWS-3025DX-640	TWS-3025CG	TWS-3025CG-17	TWS-3025XL	TWS-3025XL-17
1	AA Lithium Batteries	2 pcs.	2 pcs.	2 pcs.	2 pcs.	4 pcs.	4 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	Protective Flip-Up Lens Cover	●	●	●	●	●	●
6	Soft Carrying Pouch	●	●	●	●	●	●
7	Video Out Cable	●	●	●	●	●	●
8	Low Profile 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-3025

1	AA Lithium Batteries
2	Quick-Swap Battery Packs
3	Demist Shield (Protects eyepiece from fogginess)
4	Long Eye Relief Rubber Eyecup
5	Protective Flip-Up Lens Cover (Protects front lens when device is not in use)
6	Soft Carrying Pouch
7	Video Out Cable (Connects TWS-3025 to any Display with RCA video in)
8	Low Profile 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-3025 to a computer)
19	HMD-800 (Head Mounted Display; OLED 800x600)
20	DVR (Portable Video Recorder with SD Card Slot)

