



always a step ahead...since 1992

TWS-3000 series

THERMAL IMAGING WEAPON SIGHTS



INTRODUCTION

The GSCI' **TWS-3000** Series thermal weapon sights offering greatest performance in the light weighted, most rugged package.

TWS-3000 can be supplied with various high quality, fast germanium lenses featuring optical magnification from 1X and up to 4X and low F-number. This allows to achieve impressive detection and recognition range.

While most of rival systems have FPA format 320x240, 9-30 Hz, the GSCI's **TWS-3000** scopes offers as the **minimum performance guaranty FPA's with 384x288, 50-60 Hz or top notch 640x480, 17 um**. Such increase of the resolution and frame rate provide to the User with a smoother-looking image, and clearer detail from increased shading/gradation. Those who use **TWS-3000** scopes saying that this really makes a difference. Frame Rate lag is almost zero during quick panning and tracking of fast-moving objects.

TWS-3000 featuring "**hot swappable batteries**" which allow to interchange batteries one-by-one without interruption of the scope's operation.

TWS-3000 supplied with **8 selectable patterns of reticles** and standard M1913 Picatinny mount. Additionally to that reticle' coordinates may be memorized which allow to used the very same scope mounted on various guns, or by various users.

The **TWS-3000** Series represents the best thermal weapon scopes available on the market. Military performance and rugged construction, coupled with the high resolution sensors and OLED displays have quickly made the **TWS-3000** Series leaders in the Industry.

Add in the fact that these units cost several thousand less than the "government purchase-only" devices and available as commercial version to general public, it's clear that **GSCI has created a Winner!**

ITS ALL ABOUT PERFORMANCE..

Unparalleled Performance Uncooled FPA

High Refresh Rate: up to **60 Hz**

Shutterless & Soundless **XTi™** Technology

Quality, Low F# Germanium Objective lens

Low Power Consumption

Digital Zoom controls **2x-4x**

Black Hot/White Hot Polarity

Hot Swappable Batteries

Manual/Automatic Sensitivity Control

Manual Brightness Control

High Resolution **800x600 OLED** display

24 hours operation

Video Out

Eight Selectable Reticles Patterns

MIL-STD-810E compliant

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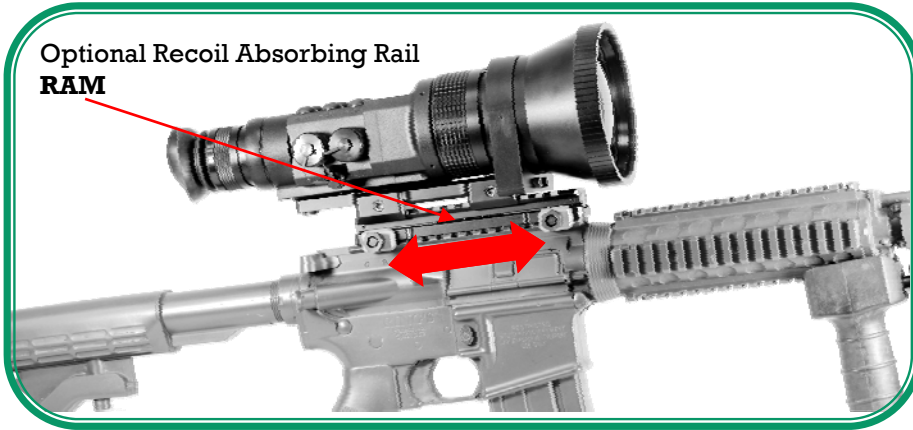


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TECHNICAL DATA OF COMMERCIALLY AVAILABLE SYSTEMS

MODEL	TWS-3050	TWS-3050-17	TWS-3075	TWS-3075xl	TWS-3075xl-17	TWS-3100xl	TWS-3100xl-17
Spectral Response	8-12 μ m	8-12 μ m	8-12 μ m	8-12 μ m	8-12 μ m	8-12 μ m	8-12 μ m
F.P.A. Format	384 x 288, 25 μ m	640x480, 17 μ m	384 x 288, 25 μ m	384 x 288, 25 μ m	640x480, 17 μ m	384 x 288, 25 μ m	640x480, 17 μ m
Thermal Sensitivity	50 mK	60 mK	50 mK	50 mK	60 mK	50 mK	60 mK
Refresh Rate	60 Hz	30 Hz	60 Hz	60 Hz	30 Hz	60 Hz	30 Hz
Lens Size	50 mm, F:1.0	50 mm, F:1.0	75 mm, F:1.3	75 mm, F:1.0	75 mm, F:1.0	100 mm, F:1.1	100 mm, F:1.1
Magnification Optical	2X	2X	3X	3X	3X	4X	4X
FOV, deg.	12x9	12x9	9x6	9x6	9x6	7x5	7x5
Magn. Total w/Dig. Zoom	4X-8X	4X-8X	6X-12X	6X-12X	6X-12X	8X-16X	8X-16X
Diopters Adjustments	+2/-6	+2/-6	+2/-6	+2/-6	+2/-6	+2/-6	+2/-6
OLED Micro Display	800x600	800x600	800x600	800x600	800x600	800x600	800x600
Powered By	2 pcs. CR123	2 pcs. CR123	2 pcs. CR123	2 pcs. CR123	2 pcs. CR123	2 pcs. CR123	2 pcs. CR123
Continuous Oper. time	Up to 5 hours	Up to 4 hours	Up to 5 hours	Up to 5 hours	Up to 4 hours	Up to 5 hours	Up to 4 hours
Weight	800 grams	800 grams	1150 grams	1180 grams	1180 grams	1460 grams	1460 grams
Dimensions, mm	210x90x65	210x90x65	240x90x90	240x100x90	240x100x90	280x105x105	280x105x105



EXPORT. GSCI' Optical Electronic systems available for our North American and International Customers. *Canada Export control regulations apply. GSCI provide to it's Buyers free of charge full Export Clearance assistance.

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