



LIGHTWEIGHT THERMAL
GOGGLES

UNITEC-G



The UNITEC-G is the thermal imaging goggle system designed for all categories of customers. It has a full-size ergonomic and tactile keypad, hard-anodized aluminum body, and superb optics. Its unbeatable real-life performance is complemented by best-in-class battery life. Features include fully waterproof design, precisely machined body and outstanding build quality. The UNITEC -G is perfect for 24/7 observation and detection for any purpose (wildlife, perimeter security, outdoor activities).



KEY FEATURES

- ♦ Auto-NUC FPA: 384x288 and 640x480
- ♦ 50Hz Refresh Rate
- ♦ Moose Detection Range: up to 830m
- ♦ Optional Built-In Video Recorder
- ♦ Up to 8 Hours Battery Life
- ♦ ITAR-Free System: Available for Export

MAIN APPLICATIONS

- ♦ Perimeter Security
- ♦ Law Enforcement
- ♦ Wildlife Observation
- ♦ Surveillance
- ♦ Border Patrol
- ♦ Reconnaissance

Designed, Developed, Manufactured by GENERAL STARLIGHT COMPANY INC.

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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 device and are subject to change without prior notice by the sole discretion of General Starlight Company, Inc.
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	UNITEC-G38	UNITEC-G64
Optical Magnification	1.5X	1X
Objective Lens	25mm, f/1.0	
Field of View	14.9°x11.2°	24.5°x18.5°
Focusing Range	0.25m .. Infinity	
FPA Resolution and Pitch	384x288, 17μm	640x480, 17μ
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)	
FPA Sensitivity	<60mK	
FPA Refresh Rate	50Hz	
Digital Zoom	2X and 4X	
Display	Dual-AMOLED, Colour, 800x600	
Imaging Modes	1 Monochrome + 8 Colour	
Digital Video Recorder	Optional: Built-In with microSD Card or External with SD Card	
Detection Moose (1.7x0.5m)	Up to 830m	
Detection Vehicle (2.3x2.3m)	Up to 1130m	
Accepted Batteries	4pcs AA, any kind: Lithium, Rechargeable, Alkaline, etc.	
Battery Life	Up to 8 Hours	
Environmental Protection	IP66, IP67 or Better	
Dimensions	112x138x55mm	
Weight	455 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	7 Years, Limited	
Export	Available Worldwide (Canadian Export Permit Required. GSCI provides	



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DISTINCTIVE FEATURES

- High-Resolution Uncooled FPAs: 384x288 or 640x480
- Fast Refresh Rate: 50Hz
- Quality and “Fast” Low-F-Number Germanium Lenses
- Ultra-Low Power Consumption
- Optional Built-In Video Recorder
- Can be Mounted on Head Gears and Helmet Mounts
- Stadiametric Rangefinder (SRF)
- Stow Safety Feature (SSF)
- Completely Silent System Operation
- Interchangeable Optics
- Precision-Machined Rugged Aluminum Body
- Video-out for External Display and Recording
- High-Resolution Colour AMOLED Displays 800x600
- 24-hour Operation
- Manual and Automatic FPA Sensitivity Adjustment
- Manual Display Brightness Adjustment
- Black Hot / White Hot Polarity Control
- Universal Power Solution: AA, USB-powered, etc.
- Complete Dust- and Waterproof Protection
- Made in Canada. Available for Worldwide Export
- 7-Year Manufacturer’s Warranty





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Two Colour 800x600
AMOLED Displays

Full-Size Ergonomic Keypad
with Tactile Feedback

640x480 and 384x288
High-Performance FPAs

Non-Uniformity Correction (NUC, calibration) of FPA is performed automatically, instantly and continuously to deliver crisp and highest image quality at all times. Thanks to the Automatic-NUC technology there are no "clicks", no interruptions in device's operation. User is not distracted to perform any FPA calibrations whatsoever.

Universal Port: Power,
Video, Remote



Up to 8 Hours Battery
Life

Hard-Anodized
Aluminum Enclosure

Fast Objective Lens with High-
Grade Germanium Glass



Based on Customer's preference, the UNITEC-G can be equipped with PVS (Bayonet) or Dovetail-type bracket



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STANDARD ACCESSORIES: WHAT'S IN THE BOX



UNITEC-G Goggles



Neck Strap



USB Power
Cable



Video-Out
Cable



Quick-Swap
Battery Holders



Soft Carrying
Pouch



Hard Waterproof
Case

OPTIONAL ACCESSORIES



Standard Head Gear PHG-7 (non-flip-up. Compatible with PVS-style bracket only, comes with 3 brow pads, 1-way adjustment)



Flip-up Head Gear HG-714M (Compatible with PVS-style bracket only, 2-way adjustment)



Advanced Flip-Up Helmet Mount HM-714XM-C (Complete kit with straps. Available in both PVS-style and Dove-Tail style configurations, 4-way adjustment)



Advanced Flip-Up Helmet Mount HM-714XM-SR ("Shroud-Ready" version compatible with ops-core style helmets. Available in both PVS-style and Dove-Tail style configurations, 4-way adjustment)



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OPTIONAL ACCESSORIES (CONTINUED)



Low-Profile Flip-Up Helmet Mount HM-714LP-SR ("Shroud-Ready" version compatible with ops-core style helmets. Available in both PVS-style and Dove-Tail style configurations, 3-way adjustment)



Advanced Flip-Up Helmet Mount HM-714LP-C (Complete kit with straps. Available in both PVS-style and Dove-Tail style configurations, 3-way adjustment)



Built-In Video Recorder (comes with 32GB microSD card and SD adapter)



Interchange Lens GLI-50 (50mm f/1.0) with long-range adapter



External Video Recorder with SD Card



Wired Remote Control with Video-Out



Video-Out to USB Adapter



Portable Head-Mounted Display HMD-800/HMD-800-MOD (streams thermal video directly from the device)