



LONG-RANGE THERMAL BINOCULARS

UNITEC-B



The UNITEC-B is a family of commercially-available thermal binocular systems equipped with uncooled, shutterless thermal engines and a choice of 50, 75 or 100mm Germanium objective lenses.

The UNITEC-B has dual-AMOLED display system that designates one hi-res AMOLED display for each individual eyepiece and has no moving parts inside. UNITEC-B can be comfortably operated for prolonged viewing periods without eye strain.

With full-aluminum enclosure, the UNITEC-B is all-around professional thermal imaging solution for day- and night-time operations that demand long-range observation capabilities.



UNITEC-B50



UNITEC-B75



UNITEC-B100

KEY FEATURES

- ◆ Objective Lenses: 50, 75, and 100mm
- ◆ Auto-NUC FPA: 384x288 and 640x480
- ◆ 50Hz Refresh Rate
- ◆ 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.

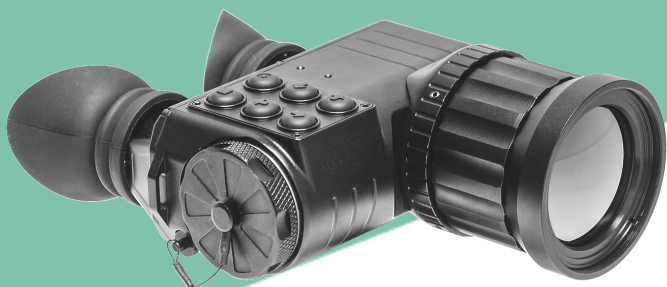
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DISCLAIMER. Technical description, view, weight, dimensions, some optical-electronic-mechanical features of the product shown herein and/or some of its parts/components may not precisely represent the actual device and are subject to change without prior notice by the sole discretion of General Starlight Company, Inc.
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LONG-RANGE THERMAL BINOCULARS

UNITEC-B

	UNITEC-B50-38	UNITEC-B50-64
Optical Magnification	3X	2X
Objective Lens	50mm, f/1.0	
Field of View	7.5°x5.6°	12.4°x9.3°
Focusing Range	1m .. 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 1660m	
Detection Vehicle (2.3x2.3m)	Up to 2250m	
Accepted Batteries	4pcs AA, any kind: Lithium, Rechargeable, Alkaline, etc.	
Battery Life	Up to 8 Hours	
Environmental Protection	IP66, IP67 or Better	
Dimensions	161x142x71mm	
Weight	825grams	
Operating Temperature	-40°C .. +50°C	
Warranty	7 Years, Limited	
Export	Available Worldwide (Canadian Export Permit Required. GSCI provides assistance in obtaining the Permit.)	



LONG-RANGE THERMAL BINOCULARS

UNITEC-B



	UNITEC-B75-38	UNITEC-B75-64
Optical Magnification	4.5X	3X
Objective Lens	75mm, f/1.3	
Field of View	5.0°x3.7°	8.3°x6.2°
Focusing Range	2m .. 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 2500m	
Detection Vehicle (2.3x2.3m)	Up to 3380m	
Accepted Batteries	4pcs AA, any kind: Lithium, Rechargeable, Alkaline, etc.	
Battery Life	Up to 8 Hours	
Environmental Protection	IP66, IP67 or Better	
Dimensions	181x142x71mm	
Weight	930 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	7 Years, Limited	
Export	Available Worldwide (Canadian Export Permit Required. GSCI provides assistance in obtaining the Permit.)	



LONG-RANGE THERMAL BINOCULARS

UNITEC-B

	UNITEC-B100-38	UNITEC-B100-64
Optical Magnification	6X	4X
Objective Lens	100mm, f/1.4	
Field of View	3.7°x2.8°	6.2°x4.7°
Focusing Range	3m .. 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 3330m	
Detection Vehicle (2.3x2.3m)	Up to 4500m	
Accepted Batteries	4pcs AA, any kind: Lithium, Rechargeable, Alkaline, etc.	
Battery Life	Up to 8 Hours	
Environmental Protection	IP66, IP67 or Better	
Dimensions	218x149x86mm	
Weight	925 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	7 Years, Limited	
Export	Available Worldwide (Canadian Export Permit Required. GSCI provides assistance in obtaining the Permit.)	



LONG-RANGE THERMAL
BINOCULARS

UNITEC-B

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
- Stadiametric Rangefinder (SRF)
- Stow Safety Feature (SSF)
- Completely Silent System Operation
- Interchangeable Optics
- Precision-Machined Rugged Aluminum Body
- 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



LONG-RANGE THERMAL
BINOCULARS

UNITEC-B

Two 800x600 Colour
AMOLED Displays

Full-Size
Ergonomic Keypad
with Tactile
Feedback

Universal Port: Power,
Video, Remote

Up to 8 Hours Battery
Life

Hard-Anodized
Aluminum Enclosure

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.

Fast Objective Lens with High-
Grade Germanium Glass





LONG-RANGE THERMAL
BINOCULARS

UNITEC-B

STANDARD ACCESSORIES: WHAT'S IN THE BOX



Selected UNITEC-B
System



Neck Strap



USB Power
Cable



Video-Out
Cable



Quick-Swap
Battery Holders



Soft Carrying
Pouch



Hard Waterproof
Case

OPTIONAL ACCESSORIES



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



External Video Recorder with SD Card



Wired Remote Control with Video-Out



LONG-RANGE THERMAL
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UNITEC-B

OPTIONAL ACCESSORIES (CONTINUED)



Video-Out to USB Adapter



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