GSCI
ADVANCED PHOTONICS

ULTRA LONG-RANGE TACTICAL
THERMAL BINOCULARS

UNITEC-B100-64

The UNITEC-B100-64 is a thermal binocular system designed for multiple applications that involve reconnaissance and tactical surveillance at long-range distances.

The latest generation silent and Auto-NUC sensor is at the base of the UNITEC-B100-64. GSCI proprietary hardware and software solutions are built around the sensor and offer exceptional image quality along with unique tools for added tactical advantage and user safety.

The UNITEC-B100-64 has dual-AMOLED display system that designates one hi-res AMOLED display for each individual eyepiece and has no moving parts inside. UNITEC-B100-64 can be comfortably operated for prolonged viewing periods without eye strain.

With full-aluminum enclosure, the UNITEC-B100-64 is all-around professional thermal imaging solution for day- and night-time operations that demand long-range observation capabilities.

ADVANTAGES OF UNITEC-B100-64

All-Aluminum Rugged Housing

Two Full-Size Colour 800x600 AMOLED Displays

High-Performance, Auto-NUC Shutterless, Silent FPA

Full-Size Ergonomic Keypad with Tactile Feedback

Smooth and Precise Focus Adjustment

Up to 8 Hours Battery Life

Fast Germanium Objective Lens

KEY FEATURES

- Fast 100mm Objective Lens
- Auto-NUC FPA: 640x480
- Optional Built-In Video Recorder
- Up to 8 Hours Battery Life
- ITAR-Free System

MAIN APPLICATIONS

- Perimeter Security
- Law Enforcement
- Wildlife Observation
- Border Patrol
- Tactical Surveillance

7 YEARS WARRANTY

ISO 9001:2015

32 YEARS OF SUCCESS

MADE IN CANADA
FABRIQUÉ AU CANADA

Designed, Developed, Manufactured by GSCI Advanced Photonics
120 WHITMORE ROAD, UNIT 20, WOODBRIDGE, ONTARIO, L4L6A5, CANADA
WWW.GSCI.NET | GSCI@GSCI.NET | +1.905.850.0990

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Optical Magnification	4X
Objective Lens System	100mm
Field of View	6.2°x4.7°
Focusing Range	3m .. Infinity
Eyerelief	Min. 20mm
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)
FPA Resolution and Pitch	640x480, 17µm
FPA Sensitivity (NETD)	<40mK
FPA Refresh Rate	50Hz
Digital Zoom	1X, 2X, 4X, 8X
Internal Display	Full Size: 0.5-Inch Diagonal, Dual-AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 8 Colour Palettes
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes
Wide Dynamic Range Feature (WDR)	Yes
Stow Safety Feature (SSF)	Yes
Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display)	Optional: 3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope
Integrated Compass	Optional
Pitch / Roll / Azimuth Indications	Optional
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats
Digital Video Recorder with Real-Time Stamp	Optional: Comes with removable 32GB microSD card
Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	3330m / 4500m
Hand-Held Capability	Yes
Tripod-Mountable	Yes
Automatic/Manual Pixel Masking	Yes
Reset to Factory Defaults	Yes
External Video Feed Protection	Yes
Automatic Power Down Control	User-Configurable: 10 .. 60 minutes of inactivity
Accepted Batteries *	4 (four) AA of Any Type: Lithium / Rechargeable
Universal Port	Video-Out, Remote Control and External Power (4VDC .. 15VDC)
Battery Life on 4x AA	Up to 8 Hours
Environmental Protection	Min. IP67, Nitrogen-Purged Housing
Dimensions	218x149x86mm
Weight	925 grams
Operating Temperature	-40°C .. +50°C
Warranty	7 Years, Limited
Made In Canada	ITAR-Free

Batteries not included

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	STANDARD EQUIPMENT: WHAT'S IN THE BOX
1	Thermal Binoculars
2	Rubber Eyecups (*Installed on the device*)
3	Protective Lens Cover (*Installed on the device*)
4	USB Power Cable *(5-pin to USB)*
5	Video-Out Cable *(5-pin to RCA)*
6	4-AA Quick-Swap Battery Cartridges (*4pcs*)
7	Neck Cord
8	Soft Carrying Pouch
9	User Manual
10	Waterproof Hard Carrying Case
11	Cleaning Kit (*3-in-1 Multi-Pen + Cleaning Cloth*)

* Batteries not included

	OPTIONAL EQUIPMENT
A	Universal Remote Control Unit **TRC-120** (*Comes with connection cable*)
B	Universal Multi-Voltage Battery Pack **MVP-240™** (*Comes with connection cable*)
C	Built-In Digital Video Recorder **GS-DVR-INT** (*Comes with 32GB microSD card and SD adapter*)
D	External Digital Video Recorder **GS-EDVR** (*Comes with set of cables and 32GB SD card*)
E	**MTAR™-HUD** Heads Up Display (*streams video directly from the unit; equipped with built-in DVR, GPS*)
F	Portable Head-Mounted Display **HMD-800-MOD** (*streams thermal video directly from the device, comes with connection cable*)
G	Integrated **9-Axis Absolute Orientation HUD** (Heads-Up Display), 3-Axis Sensors for Compass Reading, Inclinometer/Pitch Reading, and Level/Roll Reading