



ADVANCED PHOTONICS

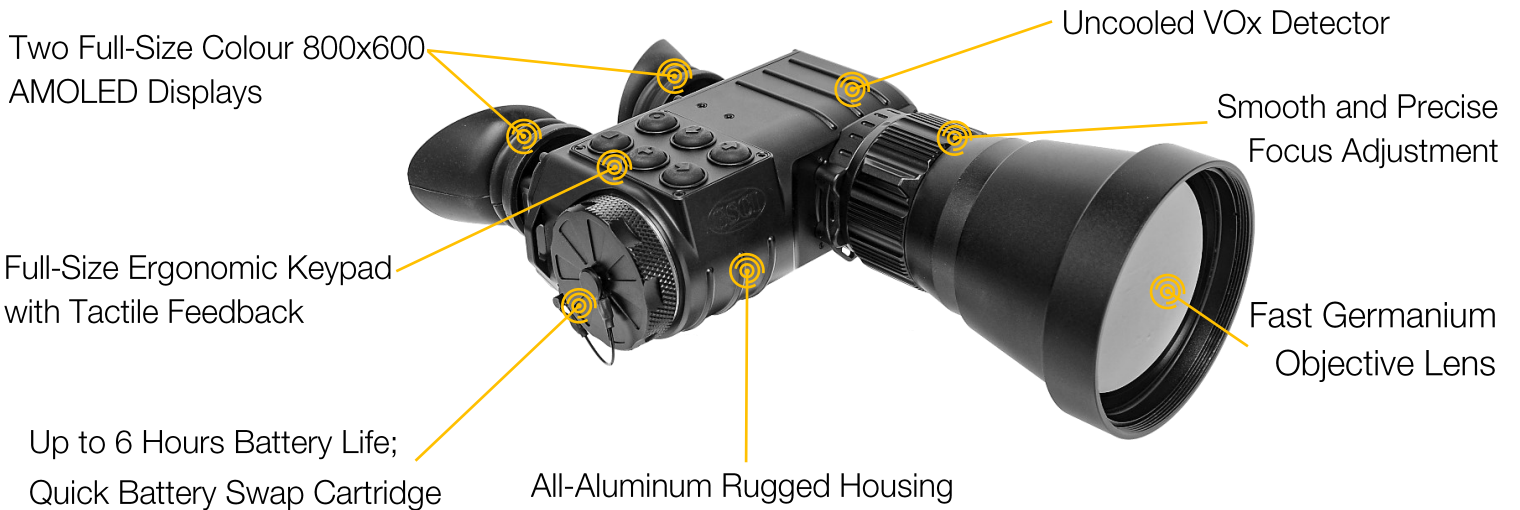
ULTRA-LONG RANGE TACTICAL THERMAL BINOCULARS UNITEC-ULR6B

GSCI Advanced Photonics thermal binoculars UNITEC-ULR6B are designed for a wide range of applications for professional users, and provide them with an unrivaled advantage during day and night operations in detecting, observing and engaging targets.

The UNITEC family incorporates the latest infrared technology, electronics and the highest quality optical components to deliver best in class performance and reliability. All model variations produce superior infrared imagery, ensuring target recognition and engagement at the maximum possible range, while preserving the legacy format, features and options.

The new members of the legendary UNITEC family are based on 12-micron uncooled VOx sensor and are built for plug-and-play applications, with increased detection and recognition capabilities and the comfort of distortion-free long-eye relief. Answering our customers calls for simplicity paired with high quality – turn it on, point, and the possibilities are limitless.

ADVANTAGES OF UNITEC-ULR6B



KEY FEATURES

- ◆ Fast 100mm Objective Lens
- ◆ Auto-NUC FPA: 640x512
- ◆ Up to 6 Hours Battery Life
- ◆ ITAR-Free System

MAIN APPLICATIONS

- ◆ Perimeter Security
- ◆ Law Enforcement
- ◆ Border Patrol
- ◆ Tactical Surveillance



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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UNITEC-ULR6B TECHNICAL DATA

Optical Magnification	5.7X
Objective Lens System	100mm
Field of View	4.4° x 3.3°
Focusing Range	3m .. Infinity
Eyerelief	> 20mm
FPA Type	Uncooled VOx Detector
FPA Resolution and Pitch	640x512, 12µm
FPA Sensitivity (NETD)	<40mK
FPA Refresh Rate	50Hz
Digital Zoom	1X, 2X, 4X
Internal Display	Large Size: 0.5-Inch Diagonal, Dual0-AMOLED, Colour, 800x600
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 4 Colour Palettes
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes
Signal Noise Reduction (SNR)	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
Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	4720m / 6385m
Recognition Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	1770m / 2395m
Identification Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	945m / 1275m
Hand-Held Configuration	Yes
Tripod-Mountable	Yes
User Profiles (Configurable)	Yes
Reset to Factory Defaults	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 6 Hours
Environmental Protection	Fully Waterproof, Nitrogen-Purged Housing
Dimensions	218 x 149 x 86 mm
Weight	860 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 Imaging Binoculars
2	Rubber Eyecups (<i>Attached</i>)
3	Front Lens Protective Cover (<i>Attached</i>)
4	USB Power Cable
5	Video-Out Cable
6	Quick Swap Battery Containers (<i>AA-Type, 4pcs</i>)
7	Soft Carrying Pouch
8	Neck Cord
9	User Manual
10	Waterproof Hard Carrying Case
11	Cleaning Kit (<i>3-in-1 Multi-Pen + Cleaning Cloth</i>)

* Batteries not included

OPTIONAL EQUIPMENT

A	Universal Remote Control Unit TRC-120 (<i>Comes with connection cable</i>)
B	Universal Multi-Voltage Battery Pack MVP-240™ (<i>Comes with connection cable</i>)
C	External Digital Video Recorder GS-EDVR (<i>Comes with set of cables and 32GB SD card</i>)
D	HMD-800-MOD Heads Up Display (<i>streams video directly from the unit</i>)
E	MTAR™-HUD Advanced Heads Up Display (<i>streams video directly from the unit; equipped with built-in DVR, GPS and Integrated 9-Axis Absolute Orientation HUD</i>)
F	Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display): 3-Axis Sensors for Compass Reading, Inclinometer/ Pitch Reading, and Level/Roll Reading



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