GSCI
ADVANCED PHOTONICS

LIGHTWEIGHT THERMAL GOGGLES

UNITEC-G64

The UNITEC-G64 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-G64 is perfect for 24/7 observation and detection for any purpose (wildlife, perimeter security, outdoor activities).

ADVANTAGES OF UNITEC-G64

Bayonet or Dovetail Bracket

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

All-Aluminum Rugged Housing

KEY FEATURES

- Auto-NUC FPA: 640x480
- 50Hz Refresh Rate
- 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 & Reconnaissance

7 YEARS WARRANTY

ISO 9001:2015

31 YEARS OF SUCCESS

MADE IN CANADA • FABRIQUÉ AU CANADA

Designed, Developed, Manufactured by GSCI Advanced Photonics
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Optical Magnification	1X
Objective Lens System	25mm
Field of View	24.5°x18.5°
Focusing Range	0.5m .. 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)	830m / 1130m
Hand-Held Capability	Hand-Held + Helmet-Mountable
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	112x138x55mm
Weight	455 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 Goggles
2	Mounting Bracket *(Installed: Bayonet or Adjustable Dovetail)*
3	Rubber Eyecups *(Installed on the device)*
4	Protective Lens Cover *(Installed on the device)*
5	USB Power Cable *(5-pin to USB)*
6	Video-Out Cable *(5-pin to RCA)*
7	4-AA Quick-Swap Battery Cartridges (4pcs)
8	Neck Cord
9	Soft Carrying Pouch
10	User Manual
11	7-Year Warranty with Activation Form
12	Waterproof Hard Carrying Case
13	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	Advanced Helmet Mount Harness **HMH-1**
C	**MTAR™-HUD** Heads Up Display (streams video directly from the unit; equipped with built-in DVR, GPS)
D	Universal Multi-Voltage Battery Pack **MVP-240** (Comes with connection cable)
E	Built-In Digital Video Recorder **GS-DVR-INT** (Comes with 32GB microSD card and SD adapter)
F	External Digital Video Recorder **GS-EDVR** (Comes with set of cables and 32GB SD card)
G	Portable Head-Mounted Display **HMD-800-MOD** (streams thermal video directly from the device, comes with connection cable)
H	Integrated 9-**Axis Absolute Orientation HUD** (Heads-Up Display), 3-Axis Sensors for Compass Reading, Inclinometer/Pitch Reading, and Level/Roll Reading