



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.

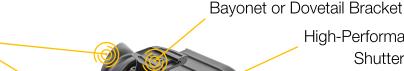
Features include fully waterproof design, precisely machined body and outstanding build quality. The UNITEC-G64 is perfect for 24/7 observation and detection for any purpose (wildlife, perimeter security, outdoor activities).

ADVANTAGES OF UNITEC-G64

Two Full-Size Colour 800x600 **AMOLED Displays**

Full-Size Ergonomic Keypad with Tactile Feedback

Up to 8 Hours Battery Life



High-Performance, Auto-NUC Shutterless, Silent FPA

> Smooth and Precise Focus Adjustment

> > Fast Germanium Objective Lens



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









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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)	<50mK
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) + Spares
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	Quick Swap Battery Containers (AA)
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
Α	Universal Remote Control Unit TRC-120 (Comes with connection cable)
В	Non-Flip-Up Head Gear PHG-7 (Bayonet Type only)
С	Advanced Helmet Mount Harness HMH-1
D	Universal Multi-Voltage Battery Pack MVP-240 (Comes with connection cable)
Е	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) Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display), 3-Axis Sensors for Compass Reading,
Н	Inclinometer/Pitch Reading, and Level/Roll Reading