



ADVANCED PHOTONICS



# ZEP-ACT

Advanced  
Combat  
Thermal



Any Target. Any Time. Any Conditions.

GSCI proudly introduces the “Little Zeppelin”— **ZEP-ACT**, a Canadian-made 4-in-1 thermal powerhouse.

Multi-purpose solution that is pocket-sized, mission-tough, and built to dominate in any environment. From blistering heat to zero-visibility fog, **ZEP-ACT** delivers instant target acquisition, uncompromising clarity, and unmatched versatility in combat conditions. From small-caliber precision shots to dynamic close-quarters work, it gives operators the speed, awareness, and confidence to act decisively.

Lightweight. Rugged. Mission-ready. **ZEP-ACT** is not just a device, it's your tactical advantage.

## TACTICAL APPLICATIONS



HELMET MOUNTED



STANDALONE  
SIGHT



CLIP-ON  
(IN-LINE)  
SIGHT



HANDHELD

## TACTICAL CAPABILITIES OF **ZEP-ACT**

Compatible with  
3x-8x Day Optics

Full-Size Colour  
AMOLED Display

Auto-NUC,  
Shutterless,  
Silent FPA.

High-Performance FPA  
640x512, 12µm

Variety of Mounting Capabilities:  
• Quick Release Standalone Weapon Sight and Clip-On Sight  
• Helmet Mounted  
• Handheld Monocular

Unity 1X Magnification:  
Ideal for Clip-On  
Configuration

Ergonomic  
Keypad, User-  
Friendly Interface

Laser Rangefinder  
Capability (Optional)



Laser Aiming  
Capability (Optional)

Full-Aluminum  
Rugged Housing

Canadian-Made,  
ITAR-Free System

# ZEP-ACT

## Advanced Combat Thermal



### ZONE ENGAGEMENT PACKAGE ADVANCED COMBAT THERMAL

ENGINEERED FOR WARZONE  
EXTREMES, MIL-STD-810 CERTIFIED,  
ZEP-ACT DELIVERS THREAT DETECTION  
AND TARGET DOMINANCE ANYWHERE

Objective Lens System	17.7mm
Field of View	24.1° x 18.33°
Magnification	1x Unity
FPA Type	Uncooled VOx Detector
FPA Resolution and Pitch	640x512, 12µm
FPA Spectral Response	7-14µm (LWIR)
FPA Sensitivity (NETD)	<35mK
FPA Refresh Rate	50Hz
Digital Zoom	1X, 2X, 4X
Internal Display	800x600, 0.6-Inch Diagonal, AMOLED, Colour
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 4 Colour Palettes
User Controls	Keypad and/or Optional Remote Pad
Shot-Initiated FOV Feature (SIF)	Built-In Adjustable Shot Sensor
Electronic Reticles	Cross-hair, MIL-DOT, SVC: Can be Enabled for Standalone Sight Configuration
Easy Zeroing / Calibration	Yes
Mounting & Pairing with Dayscope	On-Rail (Picatinny MIL-STD-1913 / STANAG 4694), On-Scope Direct, On-Scope Via Clamp/Adapter
Optimal Day Sight Compatibility	Magnified Day Scopes 3X-8X
Digital Passive Stadiametric Rangefinder (SRF)	Yes
Digital Detail Enhancement Feature (DDE)	Yes
Signal Noise Reduction (SNR)	Yes
Video Recorder	Yes, Video only - 32 GB SD card
Signal System	PAL
Integrated 9-Axis Absolute Orientation HUD	3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope
Built-In Digital Video Recorder & Storage	Comes with removable 32GB microSD card
Connectivity	Optional
Integrated Digital Magnetic Compass	Yes
Pitch / Roll / Azimuth Indications	Yes
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats
User Profiles (Configurable)	Yes
Automatic Power Down Control	User-Configurable: 10 .. 60 minutes of inactivity
Accepted Batteries	2 (two) CR123 of Any Type: Lithium / Rechargeable
Universal Port	Video-Out, Remote Control and External Power (4VDC .. 15VDC)
Identification	167m Human / 246m NATO Target
Recognition	312m Human / 460m NATO Target
Detection	835m Human / 1228m NATO Target
Laser Pointer	Optional: Built-In 850nm, 0.7mW, Class 1 Eye Safe
Laser Rangefinder	Optional: Eye Safe
Battery Life on 2x CR123	Up to 6 Hours
Power Up Time	Under 3 Seconds
Environmental Protection	IP67, Nitrogen-Purged Housing
Water Immersion	1M depth, 2 Hours, MIL-STD-810G, 512.5, Procedure I
Shock & Vibration	MIL-STD-810G, Dust & Sand, MIL-STD-810G, 510.5 Procedure I
Humidity	>95% MIL-STD-810G, 507.5, Procedure 2MIL-STD-810G, 507.5, Procedure 2
Body Material	Aluminum Alloy
Body Dimensions	92 x 60 x 60 mm
Body Weight	Under 300 grams
Color	Black, Non-Reflective; Optional: Custom Color Selection
Operating Temperature	-32°C to 55°C, MIL-STD-810G, 501.5, Procedure 1 & 502.5, Procedure 1
Storage Temperature	-40°C to 65°C, MIL-STD-810G, 501.5, Procedure 1 & 502.5, Procedure 1
Warranty	7 Year Warranty *
Country of Manufacturing	Canada, ITAR-Free



DESIGNED, DEVELOPED, MANUFACTURED BY GSCI ADVANCED PHOTONICS  
120 WHITMORE ROAD, UNIT 20, WOODBRIDGE, ONTARIO, L4L6A5, CANADA.

[WWW.GSCI.NET](http://WWW.GSCI.NET)

[GSCI@GSCI.NET](mailto:GSCI@GSCI.NET)

+1.905.850.0990



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