



ADVANCED PHOTONICS

SUPERIOR
OPTICS FOR
TACTICAL
ADVANTAGE

CATALOGUE





ADVANCED PHOTONICS



TI-GEAR-S

DEDICATED
WEAPON
SIGHT

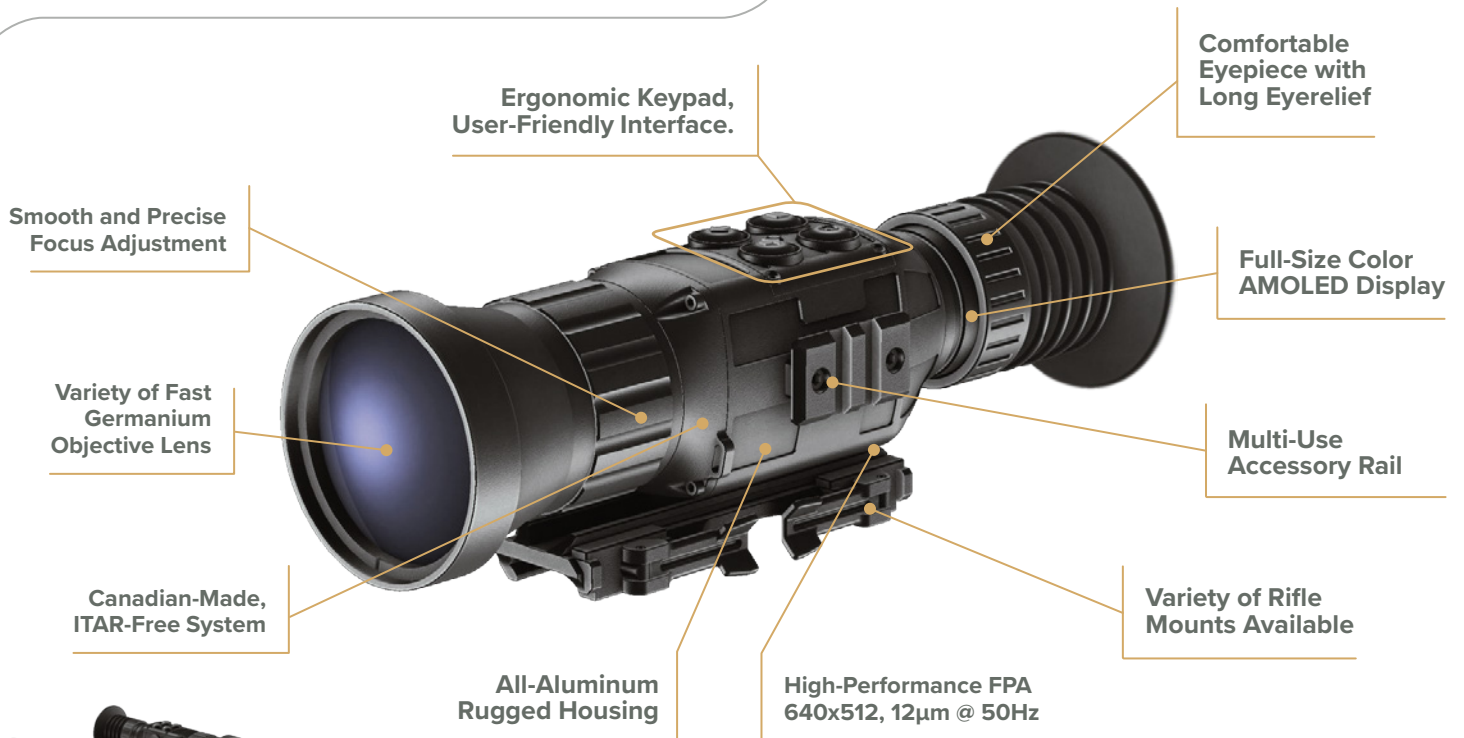


The **TI-GEAR-S Dedicated Weapon Sight** is a purpose-built thermal imaging solution designed for precision engagement in all operational environments. Engineered for military and law enforcement professionals, it delivers high-resolution infrared imagery, allowing for rapid target acquisition, identification, and engagement at extended ranges.

Built to withstand extreme conditions, the **TI-GEAR-S Dedicated Weapon Sight** features extended eye relief, distortion-free aiming, and a ruggedized housing that ensures reliability in high-intensity missions. Its intuitive controls and advanced sensor technology provide superior situational awareness, even in total darkness, adverse weather, or battlefield conditions.

Fully dustproof, waterproof, and impact-resistant, the **TI-GEAR-S Dedicated Weapon Sight** meets and exceeds military standards, ensuring long-term operational readiness. GSCI also provides customization and R&D services, allowing mission-specific adaptations to meet the evolving needs of operators in the field.

ADVANTAGES OF TI-GEAR-S



DEDICATED WEAPON SIGHT



TI-GEAR-S

DEDICATED WEAPON SIGHT

TECHNICAL SPECIFICATIONS

THE TI-GEAR-S SERIES IS THE ULTIMATE THERMAL IMAGING SOLUTION:

Ruggedized to exceed military standards, TI-GEAR is fully dustproof, waterproof, and impact-resistant, ensuring long-term operational readiness. With an intuitive, field-proven design, it allows operators to detect threats, assess targets, and maintain tactical advantage—day or night, in any environment.

MODELS: SA6S / MR6S / LR6S / ULR6S

Model Names	SA - Situation Awareness	MR - Medium Range	LR - Long Range	ULR - Ultra Long Range
Objective Lens System	SA6S - 35mm	MR6S - 52mm	LR6S - 75mm	ULR6S - 100mm
Field of View	SA6S - 12.5° x 9.4°	MR6S - 8.7° x 6.5°	LR6S - 5.8° x 4.3°	ULR6S - 4.4° x 3.3°
Eyeiece Diopter Adjustment Range	-6 .. +4			
Eyeiece Eyereief	> 40mm			
Eyeiece Exit Pupill	14mm			
FPA Type	Uncooled VOx			
FPA Resolution and Pitch	640x512, 12µm			
FPA Spectral Response	7-14µm (LWIR)			
FPA Sensitivity (NETD)	<40mK			
FPA Refresh Rate	50Hz			
Digital Zoom	1X, 2X, 4X			
Internal Display	Full Size AMOLED, Color, 800x600 / 1280x1024			
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 4 Color Palettes			
Shot-Initiated FOV Feature (SIF)	Built-In Adjustable Shot Sensor			
Electronic Reticles	Can be Enabled for Standalone Sight Configuration: 8 Patterns, Easy Zeroing / Calibration			
Mounting	Picatinny MIL-STD-1913 / STANAG 4694			
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	Optional: Three 3-Axis Sensors: Magnetometer, Accelerometer and Gyroscope			
HUD (Heads-Up Display)	Optional			
Integrated Compass	Optional			
Pitch / Roll / Azimuth Indications	Optional			
Built-In Digital Video Recorder & Storage	Optional: Comes with removable 32GB microSD card			
Connectivity	Optional: Wi-Fi, Bluetooth			
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats			
Tripod-Mountable	Yes			
User Profiles	Yes: 8			
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)			
Battery Life on 2x CR123	Up to 3.5 Hours			
Environmental Protection	IP67, Nitrogen-Purged Housing			
Dimensions	SA6S - 140 x 60 x 60 mm	MR6S - 172 x 60 x 60 mm	LR6S - 195 x 66 x 66 mm	ULR6S - 230 x 85 x 85 mm
Weight	SA6S - 365 grams	MR6S - 475 grams	LR6S - 545 grams	ULR6S - 720 grams
Color	Black, Non-Reflective; Optional: Custom Color Selection			
Operating Temperature	-40°C .. +55°C			
Country of Manufacturing	Canada, ITAR-Free			



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



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ADVANCED PHOTONICS



TI-GEAR-C

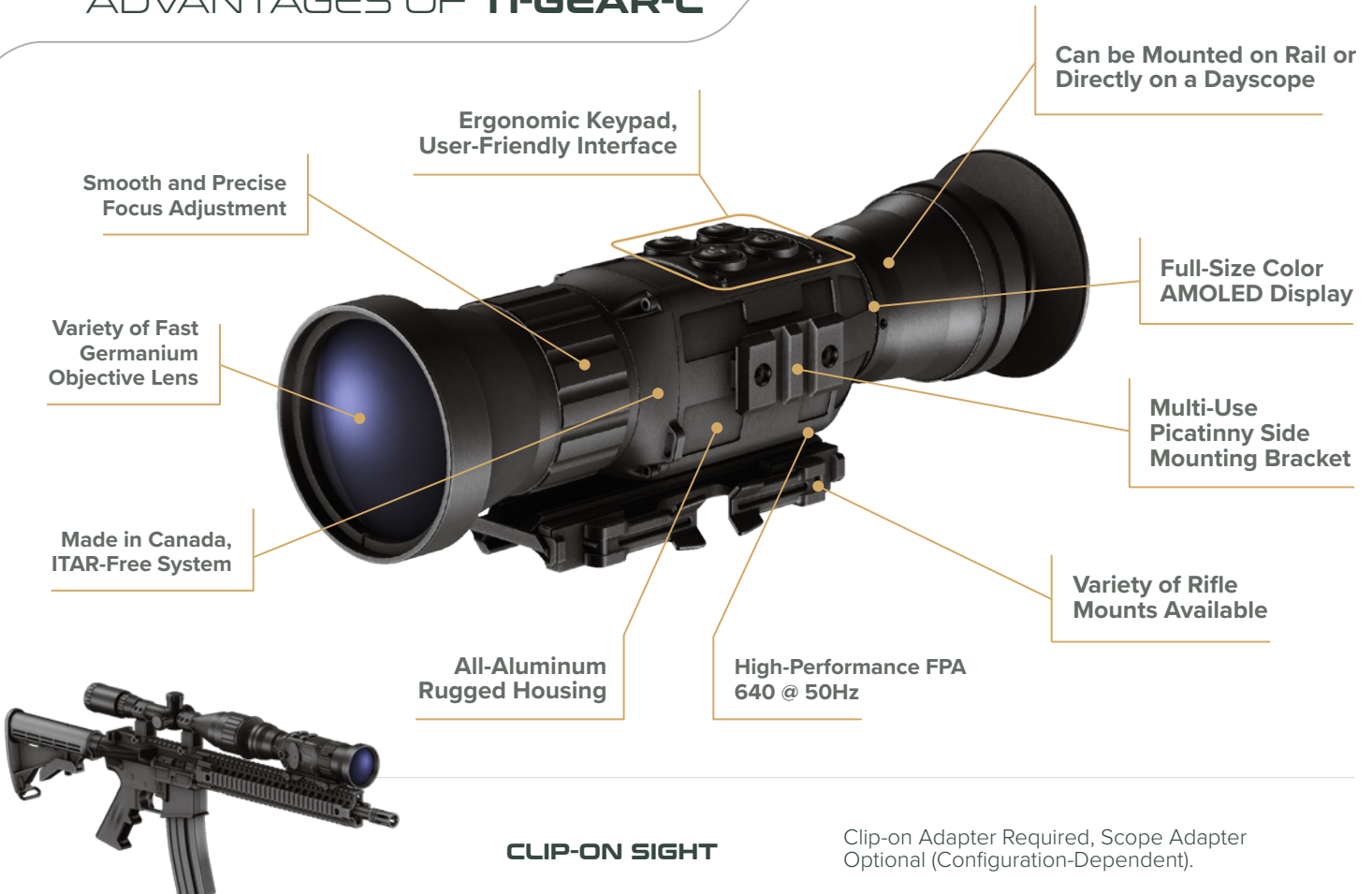
TI-GEAR-C
THERMAL
CLIP-ON
SIGHT

The **TI-GEAR-C Thermal Clip-On Sight** is a high-performance imaging solution that seamlessly transforms standard optical scopes into thermal weapon sights. Designed for rapid deployment with no zeroing required, it enhances target acquisition and engagement capabilities in the most challenging operational environments.

Equipped with the latest sensor technology, the **TI-GEAR-C Thermal Clip-On Sight** provides high-resolution infrared imagery for detection, recognition, and identification at extended ranges—regardless of lighting, weather, or battlefield conditions. Its lightweight, plug-and-play design allows for effortless integration with existing weapon systems while maintaining the optical clarity and ballistic accuracy of the primary sight.

Engineered to exceed military durability standards, the **TI-GEAR-C Thermal Clip-On Sight** is dustproof, waterproof, and shock-resistant, ensuring uncompromised reliability in any mission scenario. With GSCI's customization and R&D services, it can be tailored to meet specific operational requirements, offering a versatile and adaptable solution for modern warfare.

ADVANTAGES OF TI-GEAR-C



Clip-on Adapter Required, Scope Adapter Optional (Configuration-Dependent).



TI-GEAR-C

Thermal Clip-On Sight

TECHNICAL SPECIFICATIONS

THE TI-GEAR SERIES IS THE ULTIMATE THERMAL IMAGING SOLUTION:

Ruggedized to exceed military standards, TI-GEAR is fully dustproof, waterproof, and impact-resistant, ensuring long-term operational readiness. With an intuitive, field-proven design, it allows operators to detect threats, assess targets, and maintain tactical advantage—day or night, in any environment.

MODELS: MR6C / C675

Objective Lens System	MR6C - 52mm	C675 - 75mm
Field of View	MR6C - 8.4° x 6.3°	C675 - 8.3°x6.2°
FPA Type	MR6C - Uncooled VOx	C675 - Uncooled a-Si, Shutterless Detector
FPA Resolution and Pitch	MR6C - 640x512, 12µm	C675 - 640x480, 17µm
FPA Spectral Response	7-14µm (LWIR)	
FPA Sensitivity (NETD)	<40mK	
FPA Refresh Rate	50Hz	
Digital Zoom	1X, 2X, 4X, (8X)	
Internal Display	Full Size AMOLED, Color, 800x600 / 1280x1024	
Imaging Modes	Monochrome (White-Hot / Black-Hot) and 4/8 Color Palettes	
Shot-Initiated FOV Feature (SIF)	Built-In Adjustable Shot Sensor	
Electronic Reticles	8 Patterns, Easy Zeroing / Calibration	
Mounting & Pairing with Dayscope	On-Rail (Picatinny MIL-STD-1913 / STANAG 4694), On-Scope Direct, On-Scope Via Clamp/Adapter	
Optimal Day Sight Compatibility	1X-4X Red-Dot/Reflex/Holo; Magnified Day Scopes 3X-25X	
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: Three 3-Axis Sensors: Magnetometer, Accelerometer and Gyroscope	
Integrated Compass	Optional	
Pitch / Roll / Azimuth Indications	Optional	
Built-In Digital Video Recorder & Storage	Optional: Comes with removable 32GB microSD card	
Connectivity	Optional: Wi-Fi, Bluetooth	
Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats	
User Profiles	Yes: 8	
Automatic Power Down Control	User-Configurable: 10 .. 60 minutes of inactivity	
Accepted Batteries *	Two CR123 of Any Type: Lithium / Rechargeable	
Universal Port	Video-Out, Remote Control and External Power (4VDC .. 15VDC)	
Battery Life on 2x CR123	Up to 3.5 - 5 Hours (model dependent)	
Environmental Protection	IP67, Nitrogen-Purged Housing	
Dimensions	MR6C - 185 x 60 x 60 mm	C675 - 193 x 60 x 60 mm
Weight	MR6C - 712 grams	C675 - 753 grams
Color	Black, Non-Reflective; Optional: Custom Color Selection	
Operating Temperature	-40°C .. +55°C	
Country of Manufacturing	Canada, ITAR-Free	



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ADVANCED PHOTONICS



PVS-31C-4B

MIL-SPEC
BINOCULAR
NIGHT VISION
DEVICE.



The **PVS-31C-4B** is a dual-tube night vision binocular system engineered for military and law enforcement professionals requiring superior situational awareness and operational flexibility. Designed with an ergonomic, low-profile housing, it offers exceptional depth perception and user-friendly controls for seamless deployment in high-risk environments.

Built to withstand extreme conditions, the **PVS-31C-4B** features a rugged yet lightweight construction, advanced multi-coated optics, and impact resistance capable of surpassing all military standards. Its MIL-SPEC single-body design ensures reliability in any mission scenario. Key operational features include flip-up-off, selective channel engagement, bright light protection, and integrated infrared illumination for zero-light map reading. The system is compatible with 1x AA and 1x CR123A batteries, external power sources, and an array of accessories, such as magnification lenses, helmet mounts like GR8™, and battery packs like the **MVP-240™**.

ADVANTAGES OF PVS-31C-4B



COLOR OPTIONS



COYOTE BROWN / FDE
Low Reflective, Matte.



STANDARD BLACK
Low Reflective, Matte.

PVS-31C-4B

MIL-SPEC BINOCULAR NIGHT VISION DEVICE.

TECHNICAL SPECIFICATIONS

Optics	Proprietary GSCI-VIVID Premium Optics
Optical Magnification	1X
Field Of View **	40°
Objective Lens Focal Length	27mm f/1.2
Focusing Range	0.25m .. Infinity
Eyepiece Diopter Adjustment Range	-6 .. +2
Eyepiece Eyereief	25mm
Eyepiece Exit Pupil	14mm
Interpupillary Adjustment Range	51mm .. 73mm
Controls	Push Button
Built-In IR Illuminator	Yes
IR Illuminator Intensity	Yes, Adjustable, 3 levels
IR-On Indicator	Yes: Concealed into FOV
Manual Gain Control (MGC)	Yes, on Select Tubes
Bright Light Protection	Yes
Light Sensor Sensitivity	Yes, Adjustable, 3 levels
Automatic Shutdown	Yes: 10 .. 60 Minutes of Inactivity
Low Battery Indicator	Yes: Concealed into FOV
Stow Safety Feature	Yes
Flip-Up-Off Feature	Yes
Selective Channel Engagement	Yes
Power Source *	Comercially Availblle 1pc AA / 1pc CR123 / MVP-240™ Other External Power
Battery Life on 1x AA / 1x CR123	24 to 40 Hours, Battery & IIT Dependent
Battery Life on MVP-240™	170 to 320 Hours, Battery & IIT Dependent
External Power Supply	4VDC .. 15VDC
Environmental Protection	IP67, Nitrogen-Purged Housing
Dimensions	105x101x76mm
Weight **	391 grams***
Operating Temperature	-40°C .. +50°C
Country of Manufacturing	Canada, ITAR-Free

* Specifications are presented for optical-electronic-mechanic assemblies only and do not include technical characteristics of image intensifier tubes.

** Field Of View (FOV) values are valid if the system is equipped with an 18mm Image Intensifier Tube.

* Batteries not included.

*** Weight of the unit excludes an IIT due to its weight variations. Typical weight of an IIT is between 70 and 85 grams as per IIT manufacturers' specifications.



IMAGE INTENSIFIER TUBES

GEN 2+	Green and White Phosphor options are available.
GEN 3	
VIVID	
*** ECHO	Contact us for more details.
*** 4G	



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EXOSENS GROUP

*** ECHO and 4G are the registered trademarks of Photonis Technologies S.A.S.



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ADVANCED PHOTONICS



NSN: 1240-20-014-8145

QRF-4500S™-BC

1550NM ADVANCED LASER
RANGEFINDER UNIT WITH
BALLISTIC
COMPUTER



The **QRF-4500S™-BC** is a compact, all-in-one 1550nm rapid targeting and ranging module with GPS, compass, IR/visible laser pointer, and IR illuminator. Built for reconnaissance, surveillance, and engagement, it fits on weapons and optical systems, including high-caliber .50 BMG rifles. Its rugged aluminum housing ensures durability exceeding IP67 rating and shock resistance. Compatible with day, night, thermal, and fusion devices, it provides continuous measurements and ground target designation. Featuring GSCI's 9-axis HUD, ballistic calculator, target locator and weather station, it enhances first-shot accuracy and shot correction.

ADVANTAGES OF QRF-4500S™-BC

- 1 **GPS Receiver**
- 2 **Target Locator and Ballistic Calculator**
- 3 **Laser Rangefinder: Transmitter**
- 4 **Laser Rangefinder: Receiver**
- 5 **Visible Aiming Laser**
- 6 **IR Aiming Laser**
- 7 **IR Illuminator**
- 8 **OLED Display**
- 9 **Wind Impeller / Anemometer**



KEY FEATURES

- Built-in ballistic calculator and weather station
- For hand-held, optics, and weapon mountable applications
- Can be paired with various optical-electronic systems
- 1550nm LRF wavelength
- 4.5km (2.8mi) maximum ranging capability
- Rapid and continuous accurate measurements
- 128 x 64 OLED display with brightness adjustment
- Iron sights for hand-held aiming and ranging
- Synchronized Compass and GPS
- Provides real-time positioning information for both the user and the target
- 3 memory slots for target measurements
- Measures distance between two targets
- Measures speed and heading direction
- 20 ballistic profiles
- Co-alled adjustable IR laser + Red or Green visible laser and focusable IR illuminator
- Compact and rugged all-aluminum housing
- Mounts on STANAG 4694 / MIL-STD-1913D "Picatinny" rails
- Wired remote control

QRF-4500S™-BC

1550NM ADVANCED LASER RANGEFINDER
UNIT WITH BALLISTIC COMPUTER



TECHNICAL SPECIFICATIONS

Ranging Capability	10m .. 4500m (10ft .. 2.8 Mi)
Minimum Ranging Time	0.1 - 0.4s
Distance-To-Target Precision	Better than 1m (3ft)
Distance Units	User-Selectable: Meters, Yards, Kilometers, Miles
Display Type	Integrated, Energy-Efficient, (OLED), 0.96", Anti Glare
Compass	Magnetic and Gyro-Compass
Compatible Global Positioning Systems	GPS, GLONASS, Galileo, EGNOS (two at a time, selectable at ordering)
Precise GPS Location	Deg-min / Deg-min-sec / MGRS
LRF Wavelength	1550nm (Eye Safe)
Performance to Human Size Target	1500m (1640 yds)
Performance to NATO Target (2.3x2.3m)	2000m (2190 yds) (30% Reflectivity)
Communications	Serial, RS232, Bluetooth
Laser Aimer IR	850nm, 1.7mW/0.4mW
Laser Aimer Visible	Red: 650nm, 5mW/1mW or Green: 520nm, 5mW/1mW
Laser Beam Divergence	~0.3mrad
IR Illuminator	IR Illuminator Flood-to-Spot
Ballistic Calculator	Proprietary Built-in, 20 Ballistic Profiles, Kestrel LiNK
Power Source Options	1 pc CR123 (3V) or External Power Supply (5V .. 15V)
Ranging Measurements / Battery Life	Up to 4500 Ranging Events on 1 pc CR123 (3V)
Weapon Mountable	STANAG 4694 MIL-STD-1913 (Picatinny), Recoil-Proof
Dimensions	<130x100x60 mm (5.1x3.9x2.3 in)
Weight (with battery and cable)	<450 grams (<15.9 oz)
Environmental Protection	Exceeds IP67
Operating Temperature	-40°C .. +50°C (-104 F .. +122° F)
Storage Temperature	-50°C .. +60°C (-122°F .. +140° F)
Warranty	7 Years

QRF-4500S™-BC IS A GREAT ATTACHMENT FOR:

PRECISION FIREARMS



DAY OPTICS



THERMAL IMAGERS



NIGHT VISION DEVICES



FUSION SYSTEMS



Each QRF-4500S-BC are made per order; housing type and general appearance may vary based on the ordered configuration.



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ADVANCED PHOTONICS



QUADRO-SLR™-75

MULTI-CHANNEL
FUSION SYSTEM



The **QUADRO-SLR™** is no ordinary sight. It is designed to outperform and outlast any optical-electronic scope on the market in every measurable way. This product is a result of years of research and development, collecting valuable feedback from professional end users. Powered by world-renowned, patented GSCI Fusion Technology, the **QUADRO-SLR™** is a true game-changer when it comes to performance, capabilities and versatility. It boasts a whole vista of innovative features and knowhows that are soon to become the gold standard in the optical-electronic industry.

The **QUADRO-SLR™** is offered with 50, 75 and 100mm interchangeable objective lenses to achieve maximum detection range. It can be deployed on multiple platforms and used in a wide variety tactical scenarios, in any environmental conditions.

ADVANTAGES OF QUADRO-SLR™

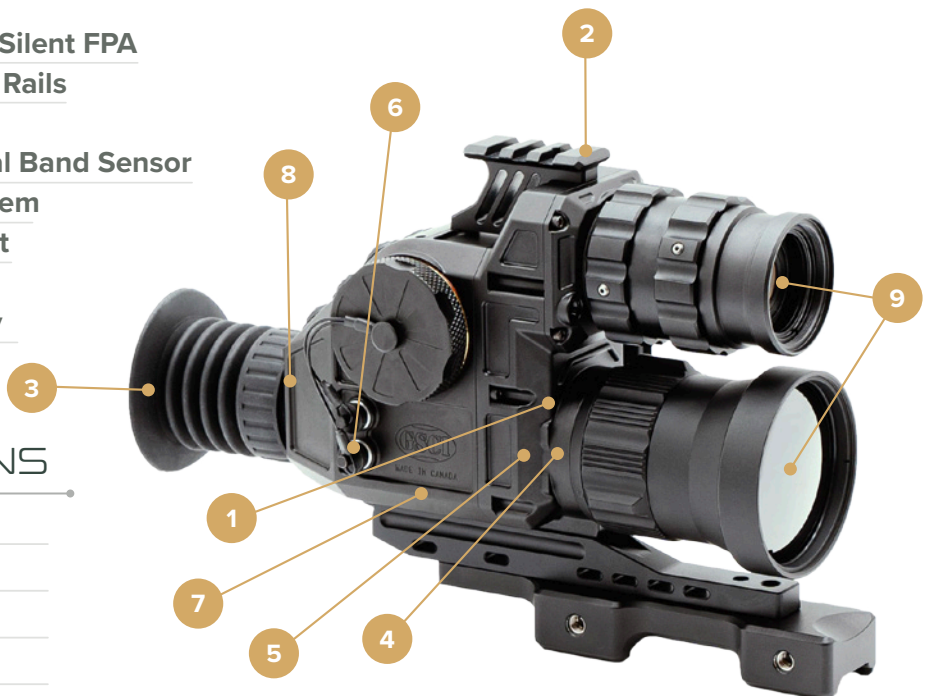
- 1 **High-Performance, Shutterless, Silent FPA**
- 2 **Multi-Use Top & Side Accessory Rails**
- 3 **Comfortable Eyepiece Eyerelief**
- 4 **High-Performance Multi-Spectral Band Sensor**
- 5 **Made In Canada, Non-ITAR System**
- 6 **External Power Port & Video-Out**
- 7 **All-Aluminum Rugged Housing**
- 8 **Full-Size Color AMOLED Display**
- 9 **Fast Objective Lenses**

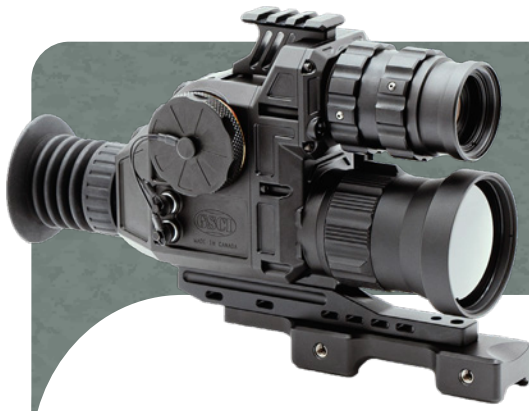
MAIN APPLICATIONS

- Special Forces
- Law Enforcement
- Perimeter Security
- Border Patrol
- Tactical Surveillance & Reconnaissance

KEY FEATURES

- | | |
|--|---|
| • Patented GSCI Fusion Technology | • Ultra-Long Range Performance |
| • Set of Curated Technological Features | • Total Magnification up to 32X |
| • 100% Detection and Identification Capabilities | • Outstanding Endurance and Reliability |
| • Fusion-Powered Identification Capabilities | • MIL-STD Full Alluminum Enclosure |





QUADRO-SLR™-75

MULTI-CHANNEL FUSION SYSTEM

TECHNICAL SPECIFICATIONS

OPTICAL PARAMETERS	Optical Magnification	3X
	Objective Lens System	75mm
	Field of View	8.3° x 6.2°
	Focusing Range	3m...infinity
	Eyepiece	Single
	Diopter Adjustment Range	-6 .. +2
	Eyerelief	Min. 50mm
THERMAL (LWIR) CHANNEL	FPA Type	Uncooled, a-Si, Shutterless, Silent (Uninterrupted Operation)
	FPA Resolution and Pitch	640x480, 17µm
	FPA Sensitivity (NETD)	<40mK
	FPA Refresh Rate	50Hz
	Digital Zoom	1X, 2X, 4X, 8X
	Imaging Modes	Monochrome (White-Hot / Black-Hot) and 8 Color Palettes
DAY/NIGHT (VNIR) CHANNEL	Sensor Type	High-Performance CCD
	Sensor Size	1/3"
	Resolution	800x600
	Sensitivity	Up to 0.1Lux
	Night Boost Mode	Yes
	VNIR Modes	Day/Night
IMAGE FUSION	Type	Real-time, Electronic
	Fused Channels	LWIR + VNIR
	Parallax Compensation	Yes
	Heat Signature Opacity	User Adjustable: 0% .. 100%
SYSTEM PARAMETERS: CAPABILITIES AND SPECIAL FEATURES	User Profiles	8
	Shot-Initiated FOV Feature (SIF)	Built-In Adjustable
	Digital Passive Stadiametric Rangefinder (SRF)	Yes
	Digital Detail Enhancement Feature (DDE)	Yes
	Digital Edge Detection Feature (DED)	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	Yes
	Pitch / Roll / Azimuth Indications	Yes
	Power Saving Mode	Yes
	Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats
	Digital Video Recorder	Optional: Comes with Removable 32GB microSD Card
	Electronic Reticles	Optional: 8 Patterns, Easy Zeroing / Calibration
	Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	2500m / 3380m
	Tripod-Mountable	Yes
	Automatic Power Off	User-Configurable: 10 .. 60 minutes of inactivity

DISPLAY	Internal Display	0.6-Inch Diagonal, AMOLED, Color, 800x600
	Internal Display Contrast	>10000:1
ELECTRONICS, MECHANICAL, ENVIRONMENTAL FEATURES	Accepted Batteries *	4 (Four) AA: Lithium Required
	Universal Port	Video-Out, Remote Control and External Power (5V .. 15V)
	Video Output	CVBS 1Vpp @ 75 Ohm
	Battery Life	Up to 5 Hours with 4 AA
		Up to 22 Hours with MVP-240™
	Environmental Protection	Min. IP67, Nitrogen-Purged
	Dimensions	130x90x210mm
	Weight	1040g
	Operating Temperature	-40°C .. +50°C
	Storage Temperature	-55°C .. +65°C
	Body Material	Hard-Anodized Aluminum
	Warranty	7 Years, Limited

* Batteries not included.



Made In Canada, ITAR-Free.



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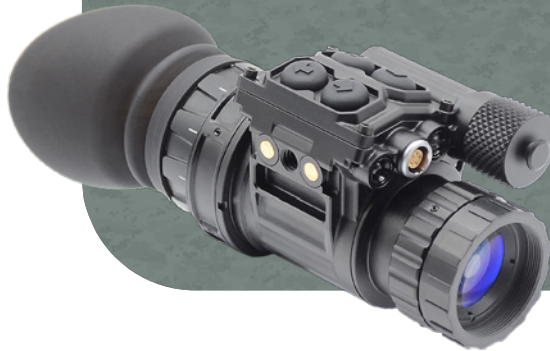


ADVANCED PHOTONICS



LUX-14™L

ADVANCED
TACTICAL
NIGHT VISION
MONOCULAR



The **LUX-14™L** is an advanced night vision monocular developed from 30 years of GSCI engineering expertise and feedback from professional users. Compact, lightweight, and durable, it features 18mm gold-standard tubes and push-button controls that can be easily operated, even while wearing tactical gloves. An external power port allows connection to the **MVP-240™** battery pack or other portable power sources for extended use. The unit is equipped with GSCI-VIVID optic high-performance — the lightest on the market — providing exceptional image clarity. Designed for versatility, the **LUX-14™L** is ideal for a wide range of tasks and tactical operations where reliability and performance are essential.

ADVANTAGES OF LUX-14™L

Ergonomic & Tactile
Push Button Controls

Stow Safety and
Flip-Up-Off Features

Powered by
1x AA Battery

External
Power Port

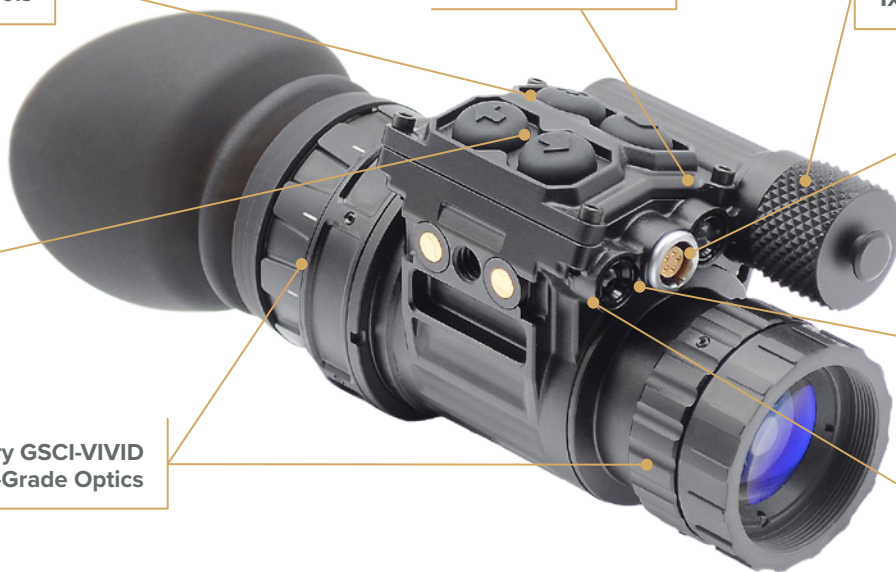
Manual Gain
Controls

Stow Safety & Automatic
Bright Light
Cut-OFF
Feature



Proprietary GSCI-VIVID
Premium-Grade Optics

Built-In IR
Illuminator With
Intensity Control



KEY FEATURES

EXTENDED RANGE OBSERVATION

Accepts Afocal
Objective
Lenses with 3X
and 5X Optical
Magnification.



PICATINNY MOUNTING

The LUX-14™L
can be mounted
on Picatinny Rail
by using DQRM-14
mount.



LUX-14TML

ADVANCED TACTICAL NIGHT VISION MONOCULAR

TECHNICAL SPECIFICATIONS

Optics	Proprietary GSCI-VIVID Premium Optics
Optical Magnification	1X
Objective Lens	27mm f/1.2
Field Of View **	40°
Focusing Range	0.25m .. Infinity
Eyeiece Diopter Adjustment Range	-6 .. +2
Eyeiece Eyerelief	25mm
Eyeiece Exit Pupil	14mm
Controls	Push Button
Built-In IR Illuminator	Yes
IR-On Indicator	Yes: Concealed into FOV
Manual Gain Control (MGC)	Yes, on Select Tubes
IR Illuminator Intensity	Adjustable, 3 levels
Light Sensor Sensitivity	Adjustable, 3 levels
Automatic Shutdown	Yes: 10 .. 60 Minutes of Inactivity
Bright Light Protection	Yes
Low Battery Indicator	Yes: Concealed into Eyeiece
Stow Safety Feature	Yes
Flip-Up-Off Feature	Yes
Power Source *	Comercially Availabble 1pc AA / MVP-240™ Other External Power
External Power Port	Optional: 4VDC .. 15VDC
Battery Life on 1x AA	47 to 86 Hours, Battery & IIT Dependent
Battery Life on MVP-240™	350 to 650 Hours
Environmental Protection	IP67, Nitrogen-Purged Housing
Dimensions	104x58x51mm
Weight **	168 grams
Operating Temperature	-40°C .. +50°C
Country of Manufacturing	Canada, ITAR-Free

* Specifications are presented for optical-electronic-mechanic assemblies only and do not include technical characteristics of image intensifier tubes.

** Field Of View (FOV) values are valid if the system is equipped with an 18mm Image Intensifier Tube.

* Batteries not included.

** Weight of the unit excludes an IIT due to its weight variations. Typical weight of an IIT is between 70 and 85 grams as per IIT manufacturers' specifications.



IMAGE INTENSIFIER TUBES

GEN 2+	Green and White Phosphor options are available.
GEN 3	
VIVID	
*** ECHO	Contact us for more details.
*** 4G	



PHOTONIS
EXOSSENS GROUP

*** ECHO and 4G are the registered trademarks of Photonis Technologies S.A.S.



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ADVANCED PHOTONICS



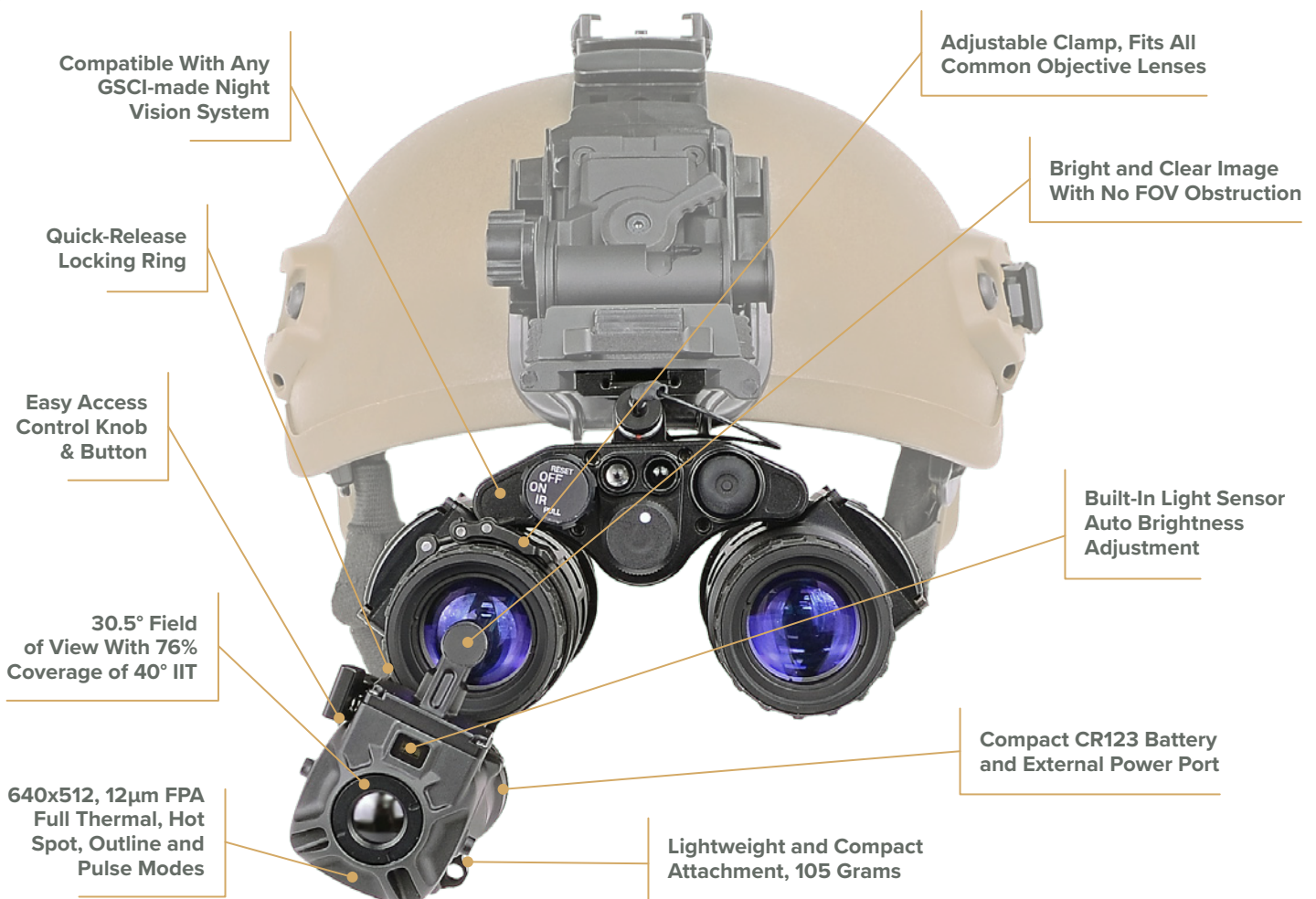
TICON

THERMAL
CLIP-ON
ATTACHMENT
FOR NIGHT
VISION

The unit easily attaches to **PVS-7**, **PVS-14C**, **LUX-14™**, or **PVS-31C-MOD** and enhances their functionality, by adding a thermal overlay to the image intensified display without the need to change or modify equipment.

The combination of two technologies decreases their respective limitations. The operator has increased situational awareness in low light, no light or obstructed conditions (fog/foliage) where image intensification is limited, but without sacrificing the identification capability of image intensification. The quick-connect interface allows you to mount and dismount the **TICON** in mere seconds. The unit can mount on to any night vision devices currently in operation, so there is no need to refit helmets for special equipment or purchase additional mountings – the **TICON** is ready for special operations right out of the box.

ADVANTAGES OF TICON



TICON

THERMAL CLIP-ON ATTACHMENT
FOR NIGHT VISION

TECHNICAL SPECIFICATIONS

FPA Type	Uncooled, VOx
FPA Resolution and Pitch	640x512, 12µm
Optical Magnification	1X
FOV with 40° IIT	30.5° with 76% Coverage
Imaging Modes	Full Thermal (White-Hot), Hot Spot, Heat Outline, Pulse Mode
Power	1pc 18650 or 1pc CR123 External Power Port: 3V to 5.5V
Weight	105 Grams
Dimensions	80 x 34 x 34mm
Export	ITAR-Free



FULL THERMAL



HOT SPOT



OUTLINE



KIT CONTENTS

- | | |
|--------------------------------|---------------------------------|
| 1 Thermal Imaging Clip-On | 5 Soft Carrying Pouch |
| 2 Front Lens Protective Cover | 6 User Manual |
| 3 Battery Extended Compartment | 7 Waterproof Hard Carrying Case |
| 4 Quick-Release Locking Ring | |

Universal Battery Charger
(Batteries Not Included)



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ADVANCED PHOTONICS



MVP-240™

UNIVERSAL
MULTI-VOLTAGE
GROUND FORCE
BATTERY PACK



The **MVP-240™** is the only battery pack on the market capable of supplying three different voltages to provide reliable and uninterrupted power to a wide variety of electronic and electro-optical systems. It is a universal powering tool for lengthy missions in remote locations where battery charging equipment is not accessible.

The **MVP-240™** is particularly useful with helmet-mountable NVGs. Instead of carrying “dead weight” in a form of a standard counterweight at the back of a helmet, the **MVP-240™** serves a dual purpose by supplying power to the NVG while being a counterweight at the same time.

The **MVP-240™** can be mounted on a firearm's Picatinny rail to substantially increase operation time of a night vision, thermal, or fusion rifle scope without obstructing access to main controls of a firearm. The excellent weight distribution of this battery pack makes operation of a firearm just as comfortable as if the MVP-240™ was not attached at all. For the user's convenience and freedom of choice, the **MVP-240™** does not have or use any proprietary or built-in batteries. It accepts all standard AA batteries widely available anywhere in the world: Alkaline, Ni-MH / Rechargeable, Lithium, and so on.

ADVANTAGES OF MVP-240™



KEY FEATURES

- Adds up to 240 Hours to NVG Operation Time
- Tri-Port Design: Supplies 3VDC, 5VDC, and 12VDC
- Accepts 8 Standard AA Batteries of Any Kind
- Fits Picatinny MIL-STD-1913 / STANAG 4694 Rails and Helmets
- Compact Dual-Chamber Enclosure
- Mil-Spec Compliant
- Compartment Selector
- Comes with Slide-and-Lock Picatinny Rail
- In-Built MIL-STD-1913 Mount w/Quick Release Lever
- Powers Night Vision / Thermal / Fusion and Other
- Electronic / Electro-Optical Systems

MVP-240™

UNIVERSAL MULTI-VOLTAGE
GROUND FORCE BATTERY PACK

TECHNICAL SPECIFICATIONS

Compatibility with GSCI Devices	All GSCI-Made Devices with External Power Port
Compatibility with Other Devices	All Electronic / Electro-Optical Devices that Accept 3VDC, 5VDC or 12VDC External Power Input and Electronic Devices that Accept USB Power Input: Cell Phones, Tablets, etc.
Accepted Batteries	8pcs AA of Any Kind: Lithium, Rechargeable (Ni-MH), Alkaline, etc.
Attachment to Helmet	Velcro® or Quick Release Picatinny Mount via Slide-and-Lock Rail
Attachment to Firearm	Quick Release Picatinny Mount
Maximum Operation Time: NVG1	350 to 650 Hours
Maximum Operation Time: Thermal Device2	20 Hours
Maximum Operation Time: Fusion Device3	10 Hours
Body Material	Hard Anodized Aluminum
Dimensions	93x48x115 mm 3.66 x 1.89 x 4.53 in
Weight without Batteries*	330 grams 0.72 lbs
MIL-STD-810 Compliance	Yes
MIL-STD-461 Compliance	Yes
Warranty	7 Years
Export	Available Worldwide: No Export License Required

Maximum operation times are given for GSCI-made devices when the MVP-240™ is equipped with 8pcs brand new lithium batteries:

1 - Night Vision Monocular PVS-14C-MOD

2 - Thermal Imaging Device TI-GEAR Series

3 - Fusion Device QUADRO-S

Maximum operation times on other systems may vary.

*Actual weight of the MVP-240™ with batteries varies depending on a battery type being used.

Batteries are not included.

KIT CONTENTS

MVP-240™ Battery Pack

Accessory Rail

Power-Out Cable

4 pcs. of "Quick Swap" Battery Cartridges

Soft Carrying Pouch.



MVP-240™ can be attached to the back of the helmet by using Velcro® or enclosed Picatinny rail



The add-on Slide-and-Lock Accessory Rail allows attaching the MVP-240™ to virtually any surface



MVP-240™ can be attached to any optical-electronic device which already has an accessory rail or by using the supplied one



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ADVANCED PHOTONICS



GR8™

ADVANCED
LOW-PROFILE
SHROUD-READY
HELMET MOUNT



Introducing a revolutionary helmet mount for optical-electronic devices, specifically designed for military and law enforcement personnel. This mount is crafted with lightweight yet sturdy aluminum alloy, ensuring that it can withstand the rigors of intense combat situations.

The mount features 8-way adjustments, providing a level of versatility that surpasses its competitors. The adjustments allow for a wide range of positioning, enabling users to achieve the optimal viewing angle for their specific needs.

The design of this mount is tailored specifically to meet the needs of military and law enforcement professionals, with a sleek and low-profile aesthetic that minimizes obtrusiveness and maximizes functionality. The mount is also easy to install and detach, allowing for quick and efficient setup and removal when necessary. Overall, this helmet mount is a game-changer for military and law enforcement personnel who require a lightweight, strong, and highly adjustable mount to support their critical missions.

ADVANTAGES OF GR8™



GR8™ Advanced Low-Profile Shroud-Ready Helmet Mount with PVS-31C-MOD

GR8™ Advanced Low-Profile Shroud-Ready Helmet Mount with J-Arm-AD Interface for Hands-Free Applications with Adjustable Dovetail for LUX-14™ and PVS-14 monoculars.



KEY FEATURES

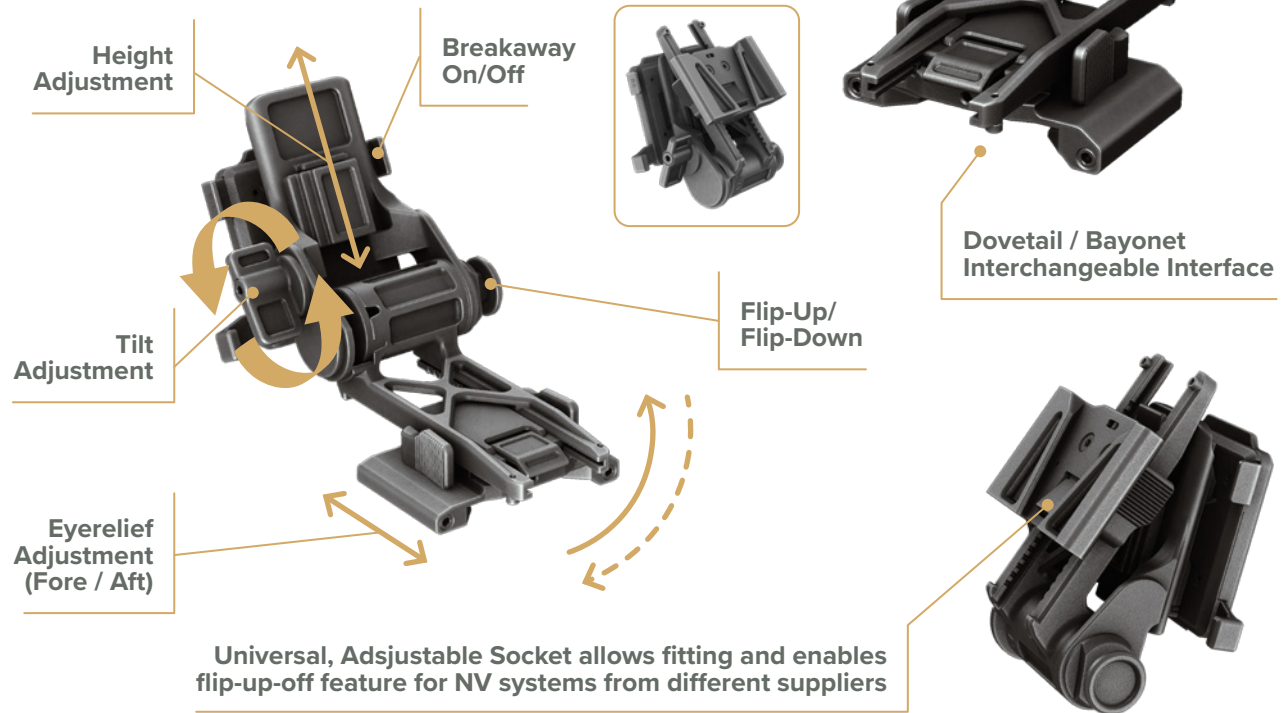
- Full Compatibility with VAS Shrouds
- Wider Ranges of Adjustments than Competitors
- 8-Position Adjustments
- Personalized Device Positioning
- Dovetail and Bayonet Brackets
- Ultra Lightweight
- Durable and Reliable
- Made in Canada, ITAR-Free

GR8™

ADVANCED LOW-PROFILE
SHROUD-READY HELMET MOUNT



TECHNICAL SPECIFICATIONS



GR8™ TECHNICAL SPECIFICATIONS		MOUNTS FROM OTHER WORLD'S LEADING BRANDS
Weight	166 grams (5.85)	Up to 187 grams (6.5OZ)
Dimensions	8.35cm L x 6.35cm W x 5cm H	Avg. 10.11cm L x 6.6cm W x 6.1cm H
	(3.29" L x 2.5" W x 1.98" H)	(3.98" L x 2.60" W x 2.40" H)
Flip-Up/Down View to Stow	130° Travel	<= 130° Travel
Fore-Aft (Tilt)	0-18°	Avg. 0-15°
Height Adjustment	27mm (1.1") Total Vertical Travel	Avg. 22mm (0.9") Total Vertical Travel
Eyerelief Travel	45mm (1.8") Total Travel	Avg. 33mm (1.3") Total Travel
Auto ON/OFF	Built-In	Vary/Unknown
Breakaway	Built-In	Vary/Unknown
Universal Socket	Yes	No
Material	Aluminum 6061-T6	Aluminum/Polymer
Warranty	7-Year Warranty	1 .. 5 Years Warranty



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ADVANCED PHOTONICS



LAS-850

Dual-Beam Aiming Laser

The **LAS-850 Laser Aiming System** delivers a tactical edge when visibility fades. Built for rugged reliability and effortless operation, it enhances direct-fire aiming and illumination for small arms and crew-served weapons in any weather.

Designed for seamless compatibility with all generations of night vision devices, the ultra-compact, lightweight **LAS-850** features co-aligned infrared and green lasers, ensuring quick and precise zeroing. Engineered with the latest laser diode technology, it sets the standard for superior performance.

Powered by a single CR123 3V battery and easily mounted on **MIL-STD-1913/NATO STANAG 4694** rails, the **LAS-850** is a plug-and-play solution for elite operators.

KEY FEATURES

- Compact and Lightweight
- High and Low Power Modes
- Fully Adjustable Windage and Elevation
- Attaches to any Picatinny rail using a Quick Detach Mount
- Submersible to 30 meters
- Factory co-aligned lasers
- Compatible with external power packs
- ITAR-free



TECHNICAL SPECIFICATIONS

LASER TYPE	Visible	Green—Class 1/3B	
	IR Laser Pointer	IR—Class 1/3B	
POWER OUTPUT	IR Laser Illuminator	IR—Class 1/3B	
	Visible Green	0.7mW (Low Power) - 42mW (High Power)	+0.5/-0.5mW
	IR Laser Pointer	0.7mW (Low Power) - 45mW (High Power)	+0.15/-0.15mW
WAVELENGTH	IR Laser Illuminator	0.7mW (Low Power) - 50mW (High Power)	+0.15/-0.15mW
	Visible Green	520nm +/- 3%	
	IR Laser Pointer	850nm +/- 3%	
BEAM DIVERGENCE	IR Laser Illuminator	840nm +/- 3%	
	Visible Green Laser	0.3 mrad +/-0.2mrad	
	IR Laser Pointer	0.3 mrad +/-0.2mrad	
GENERAL	IR Laser Illuminator	5-200 mrad +/-3% mrad	
	Power Source	1 pc CR123 (3V)	
	Battery Life (High Power Illuminator/Pointer)	3 Hours (+/- 0.5 hours)	
	Battery Life (IR pointer 0.7 Only)	100+ hours	
	Weapon Mount	MIL-STD-1913 QD	
	Dimensions	<91mmx55mmx31.5 mm (3.6x2.16x1.24in)	
	Material	Aircraft Aluminum	
	Colour	Black and FDE/TAN	
	Windage and Elevation Adjustment	Yes	
	Remote Control Push Pad	Yes	
	Weight (with battery and cable)	<250 grams (< 8.82 oz)	
	Environmental Protection	IP68 (Submersible 30 meters)	
	Operating Temperature	-20°C .. +65°C (-104 F .. +122° F)	
	Warranty	7 Years	

STANDARD EQUIPMENT WHAT'S IN THE BOX



LAS-850 Unit
(Black or FDE/
Tan Colour)



User, Maintenance
Manuals, Quick
Start Guide

Multitask
Wired
Remote
Control



Cleaning Kit (3-
in-1 Multi-Pen +
Cleaning Cloth)



Soft
Carrying
Pouch



5 Pin to
USB Power
Connector
Cable

Batteries are not included due to IATA regulations.



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