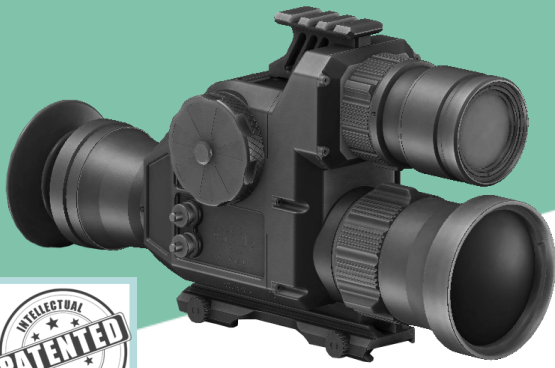




ADVANCED PHOTONICS

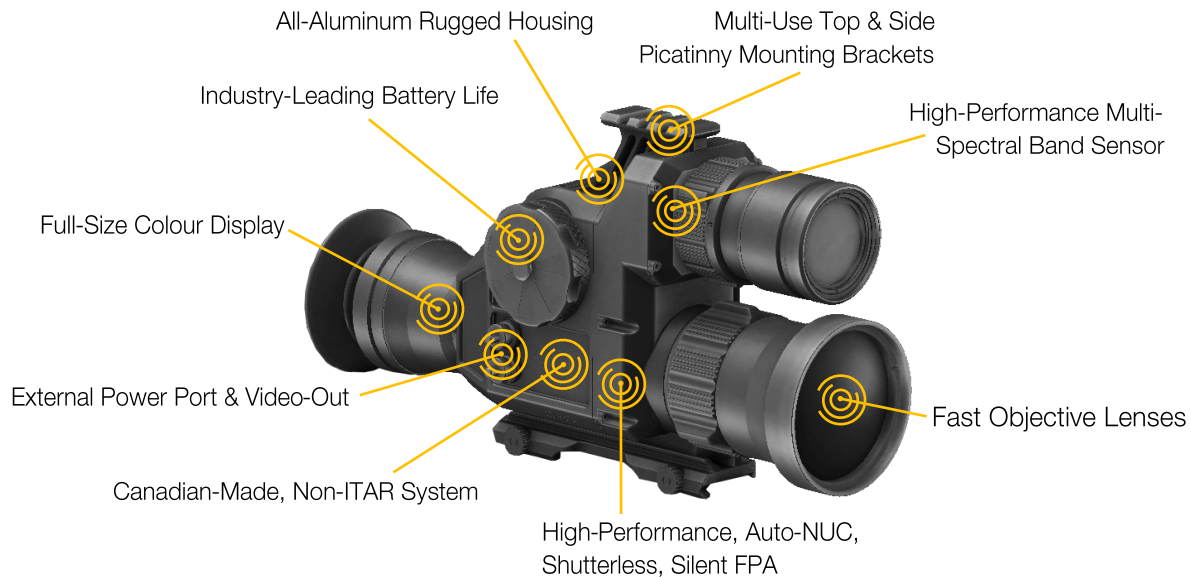
MULTI-CHANNEL CLIP-ON FUSION SYSTEM QUADRO-CLR-75



The QUADRO-CLR-75 is no ordinary clip-on 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-CLR-75 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-CLR-75 is offered with 75mm objective lens to achieve maximum detection range and easily pairs to all daytime scopes. It can be deployed on multiple platforms and used in a wide variety tactical scenarios, in any environmental conditions.

ADVANTAGES OF QUADRO-CLR-75



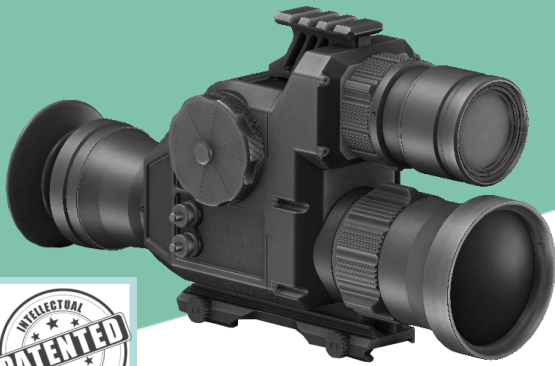
Designed, Developed, Manufactured by GSCI Advanced Photonics
120 WHITMORE ROAD, UNIT 20, WOODBRIDGE, ONTARIO, L4L6A5, CANADA
WWW.GSCI.NET | GSCI@GSCI.NET | +1.905.850.0990

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ADVANCED PHOTONICS

MULTI-CHANNEL CLIP-ON FUSION SYSTEM QUADRO-CLR-75



A NEW DIMENSION OF PERFORMANCE

KEY FEATURES

- ◆ Patented GSCI Fusion Technology
- ◆ Set of Curated Technological Features
- ◆ 100% Detection Capabilities
- ◆ Fusion-Powered Identification Capabilities
- ◆ Ultra-Long Range Performance
- ◆ Optionally Aided by Various Target Location Features
- ◆ Outstanding Endurance and Reliability
- ◆ Latest Generation Hardware and Software
- ◆ Battle-Proven MIL-STD Enclosure
- ◆ Precision-Crafted to Tightest Tolerances

MAIN APPLICATIONS

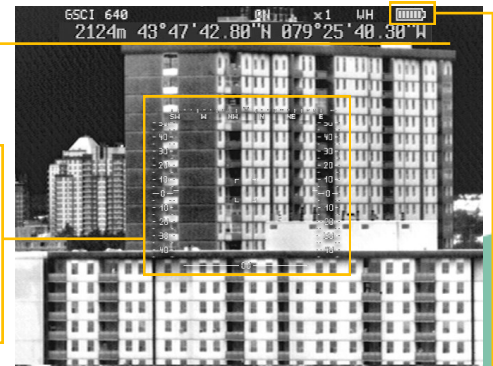
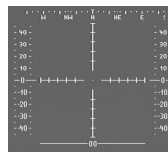
- ◆ Special Forces
- ◆ Law Enforcement
- ◆ Perimeter Security
- ◆ Border Patrol
- ◆ Tactical Surveillance & Reconnaissance

The QUADRO-CLR-75 is designed to seamlessly integrate with other GSCI-made systems: especially the Advanced Rangefinding Unit QRF-4500™ and the Universal Battery Pack MVP-240™. Such package represents the industry-first and unique blend for the most challenging tactical scenarios in different weather and lighting conditions.



QRF-4500™:
Target Position, Operator Position,
Distance, Speed Readings

Built-In 9-Axis HUD:
Dynamic Pitch, Roll
and Yaw Readings with
Reticle Pattern



MVP-240™
Provides Power Boost for Additional
15 Hours of Continuous Operation

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ADVANCED PHOTONICS

MULTI-CHANNEL CLIP-ON FUSION SYSTEM QUADRO-CLR-75

Thanks to GSCI's patented multi-sensor technology, the QUADRO-CLR operates in 5 primary modes: Thermal, Daytime, Nighttime and two Hybrid views, also known as the Fusion: Day-Fusion and Night-Fusion. On top of that, the QUADRO-CLR comes loaded with many unique features that offer convenience and help give the operator a tactical advantage.

With the QUADRO-CLR with the fusion mode engaged you are never left in pitch darkness. Both channels, complementing each other produce real-time, no-lag video image and unmatched situation awareness. This is achieved by combining detailed images from the visible/near infrared and long-wave infrared ranges of spectrum. The end result is a superb detection and recognition capability.






ADVANCED PHOTONICS

MULTI-CHANNEL CLIP-ON FUSION SYSTEM QUADRO-CLR-75



OPTICAL PARAMETERS	Optical Magnification	1X	
	Objective Lens System	75mm	
	Field of View	8.3° x 6.2°	
	Focusing Range	3m...infinity	
	Eyeiece	Single	
	Daytime Scope Magnification, Optimal	3X .. 12X	
SYSTEM PARAMETERS: CAPABILITIES AND SPECIAL FEATURES	Shot-Initiated FOV Feature (SIF)	Built-In Adjustable Shock Sensor	
	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)	3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope	
	Integrated Compass	Yes	
	Pitch / Roll / Azimuth Indications	Optional	
	Power Saving Mode	Yes	
	Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats	
	Digital Video Recorder with Real-Time Stamp	Comes with Removable 32GB microSD Card	
	Electronic Reticles	Optional: 8+8 Patterns, Easy Zeroing / Calibration	
	Collimation	Electronic and Mechanical	
	Detection Capability**: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	Up to 3460m	
	Conversion to Hand-Held (Direct-View) Monocular	Yes, with Optional Direct View Eyepiece	
	Conversion to Standalone (Direct-View) Sight	Yes, with Optional Direct View Eyepiece	
	Tripod-Mountable	Yes	
	User Profiles (Configurable)	Yes: 8	
	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	
	THERMAL (LWIR) CHANNEL	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	
Imaging Modes		Monochrome (White-Hot / Black-Hot) and 8 Colour 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	

DISPLAY	Internal Display	Full Size: 0.6-Inch Diagonal, AMOLED, Colour, 800x600
	Internal Display Contrast	>10000:1
IMAGE FUSION	Type	Real-time, Electronic
	Fused Channels	LWIR + VNIR
	Parallax Compensation	Electronic, Adjustable
	Heat Signature Opacity Range	User Adjustable: 0% .. 100%
ELECTRONICS, MECHANICAL, ENVIRONMENTAL FEATURES	Accepted Batteries *	4 (Four) AA: Lithium Recommended
	Universal Port	Video-Out, Remote Control and External Power (4VDC .. 15VDC)
	Video Output Signal	CVBS 1Vpp @ 75 Ohm
	Battery Life on 4x AA	Up to 7 Hours Up to 22 Hours together with MVP-240 [™]
	Environmental Protection	Min. IP67, Nitrogen-Purged Housing
	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	

 Made In Canada, ITAR-Free

* Batteries not included

** Based on Johnson's Criteria



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