



COMPACT THERMAL FUSION CLIP-ON SIGHT

QUADRO-SC



The QUADRO-SC is the augmented vision clip-on system for tactical surveillance, observation, and engagement at short- and medium-range distances.

Along with selecting between visible/near-infrared and far-infrared (thermal) channels individually, GSCI's Unique Patented technology allows to produce and display real-time, delay-free *fusion* image that superimposes all ranges of the spectrum from its sensors to successfully detect any target and defy poor lighting or weather conditions. Wide field of view allows for better situation awareness.

The unit is small and lightweight, and yet made of a hard-anodized aluminum for added strength and shock resistance. The side and top weaver rails allow the user to attach additional equipment such as a laser rangefinder, IR illuminator and more.

The QUADRO-SC is compatible with a variety of optical scopes, offering quick and easy electronic collimation.



KEY FEATURES

- ◆ 100% Target Detection Capability
- ◆ Simple Pairing with Daytime Optics
- ◆ Multi-Mode 24/7 Operation
- ◆ High Situational Awareness
- ◆ Auto-NUC: No Calibration Needed
- ◆ Universal Power Solution

MAIN APPLICATIONS

- ◆ Defence
- ◆ Security
- ◆ Border Patrol
- ◆ Special Forces
- ◆ Surveillance
- ◆ Reconnaissance

Designed, Developed, Manufactured by: GENERAL STARLIGHT COMPANY INC.

120 WHITMORE ROAD, UNIT 20, WOODBRIDGE, ONTARIO, L4L6A5, CANADA

WWW.GSCI1.COM | GSCI@GSCI1.COM | +1.905.850.0990

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QUADRO-SC TECHNICAL DATA

SYSTEM	FOV	17.7°x13.3°
	Optical Zoom	1X
	SSF	Included
	Collimation with Dayscope	Electronic
	Dayscope optimal power range	3X .. 9X
	Detection Moose (1.7x0.5m)	Up to 1160m
	Detection Vehicle (2.3x2.3m)	Up to 1570m
THERMAL CHANNEL (LWIR)	FPA Type	a-Si Microbolometer, Uncooled, Shutterless, Auto-NUC
	FPA Spectral Range	7µm .. 14µm
	FPA Sensitivity	<60mK
	FPA Gain	Manual/Automatic
	FPA Resolution	640x480, 17µm pitch
	FPA Refresh Rate	50Hz
	Digital Zoom	2X, 4X
	Objective Lens	35mm, f/1.0
	Polarity Control	Black Hot / White Hot
	Imaging Modes	1 Monochrome and 8 Pseudo-Colours
DAY/NIGHT CHANNEL (VNIR)	Sensor Type	CCD
	Sensor Size	1/3"
	Resolution	800x600
	Sensitivity	Up to 0.1Lux
	VNIR Modes	Day/Night

QUADRO-SC TECHNICAL DATA (Continued)

DISPLAY	Display Type	Colour AMOLED, 800x600
	Display Brightness Control, Contrast	Manual, >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 AND ENVIRONMENTAL	Power Supply	4 AA Batteries and/or various External Power Sources
	Quick Swap Battery Packs	Each holds 4xAA (Lithium)
	External Power Source Voltage Range	5V .. 15V
	Autonomy on 4 AA Batteries	Up to 7 hours
	Video Output	CVBS 1Vpp @ 75 Ohm
	Operating Temperature	-40°C .. +50°C
	Storage Temperature	-50°C .. +60°C
	Dimensions	190x91x70mm
	Weight	790 grams
	Mounting Type	Low Profile/Picatinny
	Environmental Protection	IP66 or Better (Optional)
	Digital Video Recorder	Optional: Built-in or External
	Export	Available Worldwide *

* Canadian Export Permit Required. GSCI provides assistance in obtaining the Permit.

What's in the box?

Each QUADRO-SC System is supplied with a hard case, demist shield, soft carrying pouch, video out cable, power USB cable, 2 quick swap battery packs, objective lens cap, user's manual, 7-year Manufacturer's warranty.

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