

The QUADRO-B50 is the augmented vision long-range binoculars for tactical surveillance and observation.

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 rugged, lightweight, made of hard-anodized aluminum for added strength and shock resistance.

ADVANTAGES OF QUADRO-B50





LONG-RANGE FUSION BINOCULARS

P	Optical Magnification	2X		
OP AR∕	Field of View	12.4x°x9.3°		
OPTICAL PARAMETERS	Focusing Range	1m Infinity		
	Eyepiece	Dual		
	Eyerelief	Min. 20mm		
	Digital Passive Stadiametric Rangefinder (SRF)	Yes		
S	Digital Detail Enhancement Feature (DDE)	Yes		
SYSTEM PARAMETERS: CAPABILITIES AND SPECIAL FEATURES	Digital Edge Detection Feature (DED)	Yes		
	Wide Dynamic Range Feature (WDR)	Yes		
PAR	Stow Safety Feature (SSF)	Yes		
AMET	Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display)	Optional: 3-Axis Sensors - Magnetometer, Accelerometer and Gyroscope		
ERS	Integrated Compass	Optional		
CA	Pitch / Roll / Azimuth Indications	Optional		
PAE	Power Saving Mode	Yes		
	Real-Time Date-Time Stamp	Yes: Simplified, Extended, DTG Formats		
.IES	Digital Video Recorder with Real-Time Stamp	Optional: Comes with Removable 32GB microSD Card		
AND :	Detection Capability: Man (1.7x0.5m) / NATO Target (2.3x2.3m)	1660m / 2250m		
SPE	Hand-Held Configuration	Yes		
CIA	Tripod-Mountable	Yes		
LEE	User Profiles (Configurable)	Yes: 8		
ATI	Automatic/Manual Pixel Masking	Yes		
URE	Reset to Factory Defaults	Yes		
ŝ	External Video Feed Protection	Yes		
	Automatic Power Down Control	User-Configurable: 10 60 minutes of inactivity		
L	FPA Туре	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)		
οĒ	FPA Resolution and Pitch	640x480, 17μm		
ERMAL (LW CHANNEL	FPA Sensitivity (NETD)	<40mK		
NNE (I	FPA Refresh Rate	50Hz		
THERMAL (LWIR) CHANNEL	Digital Zoom	1X, 2X, 4X, 8X		
IR)	Imaging Modes	Monochrome (White-Hot / Black-Hot) and 8 Colour Palettes		
-	Sensor Type	High-Performance CCD		
DAY/NIGHT (VNIR) CHANNEL	Sensor Size	1/3"		
	Resolution	800x600		
	Sensitivity	Up to 0.1Lux		
	Night Boost Mode	Yes		
	VNIR Modes	Day/Night		

DI	Internal Display	Full Size: 0.5-Inch Diagonal, Dual- AMOLED, Colour, 800x600
DISPLAY		
AΥ	Internal Display Contrast	>10000:1
7	Туре	Real-time, Electronic
١AG	Fused Channels	LWIR + VNIR
EFL	Parallax Compensation	Electronic, Adjustable
IMAGE FUSION	Heat Signature Opacity Range	User Adjustable: 0% 100%
	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
	Environmental Protection	Min. IP67, Nitrogen-Purged Housing
λ, M	Dimensions	165x152x68mm
E E	Weight	995 grams
ÄTI	Operating Temperature	-40°C +50°C
ELECTRONICS, MECHANICAL, ENVIRONMENTAL FEATURES	Storage Temperature	-55°C +65°C
SŢ	Body Material	Hard-Anodized Aluminum
	Warranty	7 Years, Limited

Made In Canada, ITAR-Free

* Batteries are not included

DISCLAIMER. Technical description, certain optical electronic-mechanical features of the product shown herein and/or some of its parts/components may not precisely represent the actual device and are subject to change without prior notice by the sole discretion of General Starlight Co., Inc. Mass of the product represents measurable weight of all components this product consists of, such as optics, mechanics, and electronics. Dimensions of the product represents measurable size of the body, including all optical components attached and in fully folded position. Dimensions of additions such as mounting brackets, eyecups, objective lens covers, and/or battery extensions may vary and therefore are not listed herein. Copyright © 1992-2024 General Starlight Co., Inc. Canada. All rights reserved.

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GSCO Advanced photonics

LONG-RANGE FUSION BINOCULARS

STANDARD EQUIPMENT: WHAT'S IN THE BOX

1	Fusion Binoculars
2	Rubber Eyecups (Installed on the device)
3	Protective Lens Covers (Installed on the device)
4	USB Power Cable (5-pin to USB)
5	Video-Out Cable (5-pin to RCA)
6	Quick Swap AA-Battery Containers (4pcs)
7	Neck Cord
8	Soft Carrying Pouch
9	User Manual
10	Waterproof Hard Carrying Case
11	Cleaning Kit (3-in-1 Multi-Pen + Soft Cloth)

* Batteries are not included

OPTIONAL EQUIPMENT

А	Universal Remote Control Unit TRC-120 (Comes with connection cable)
В	Universal Multi-Voltage Battery Pack MVP-240™ (Comes with connection cable)
С	Built-In Digital Video Recorder GS-DVR-INT (Comes with 32GB microSD card and SD adapter)
D	External Digital Video Recorder GS-EDVR (Comes with set of cables and 32GB SD card)
Е	MTAR [™] -HUD Heads Up Display (Streams video directly from the unit; equipped with built-in DVR, GPS and Integrated 9- Axis Absolute Orientation HUD)
F	Portable Head-Mounted Display HMD-800-MOD (Streams thermal video directly from the device)
G	Integrated 9-Axis Absolute Orientation HUD (Heads-Up Display), 3-Axis Sensors for Compass Reading, Inclinometer/ Pitch Reading, and Level/Roll Reading
Н	Tactical Infrared Illuminator IR-250S. Kit Includes IR-250S Unit (850nm), Remote Control, Picatinny Mount
I	Advanced Multi-Functional Laser Rangefinder Unit QRF-4500 [™] with MIL-STD 1550nm wavelength



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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