



**ADVANCED PHOTONICS**

## Quick Acquisition Advanced Tactical Laser Rangefinder QRF-4500™

The QRF-4500™ is the all-in-one eye safe 1550nm laser rangefinder (LRF) unit with enhanced capabilities featuring built-in GPS, Compass, Visible or IR Laser Pointer and IR illuminator. It is the ultimate tool for reconnaissance work, tactical surveillance, and engagement within any visible range. This versatile unit can be installed on any weapon or optical systems, and used for manned or unmanned remote-controlled aiming systems.

The low-profile and compact size of the QRF-4500™ allows easy mounting and free access to the controls of the unit without interference with other aiming systems. Aluminum-milled housing provides excellent structural rigidity, outstanding shock protection and IP67 rating.

Our LRF system can be used in combination with a wide variety of optical-electronic systems, including daytime sights, night vision, thermal imaging, and fusion devices. It displays ranging information and coordinated on the screen of all GSCI-made thermal and fusion systems. The QRF-4500™ performs the function of a ground target designator, which makes it a perfect day/night surveillance and fire control system for a whole unit.

The QRF-4500™ is ready to replace all discrete, single-function gadgets: all information is presented on one display to increase operator's efficiency. When combined with professional tools, it increases hit probability on the first attempt and facilitates the correction of next shots.

### KEY FEATURES:

- > *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 (uninterrupted) accurate measurements*
- > *128 x 64 OLED display with brightness adjustment*
- > *Iron sights for hand-held aiming and ranging*
- > *Synchronized compass, GPS and rangefinder*
- > *Provides real-time positioning information for both the user and the target*
- > *3 memory slots for target distance measurements*
- > *Measures distance between two targets*
- > *Measures speed, heading direction and track angle*
- > *Perfect for spotters, snipers, precision shooters*
- > *Adjustable IR laser / Red or Green visible laser*
- > *Variable IR illuminator (Detachable)*
- > *Compact and rugged all-aluminum housing*
- > *Mounts on STANAG 4694 Picatinny rail / Weaver rails*
- > *Optional remote control*
- > *Compatible with the Kestrel 5 Series and ballistic calculators*



**Designed, Developed, Manufactured by GSCI Advanced Photonics**  
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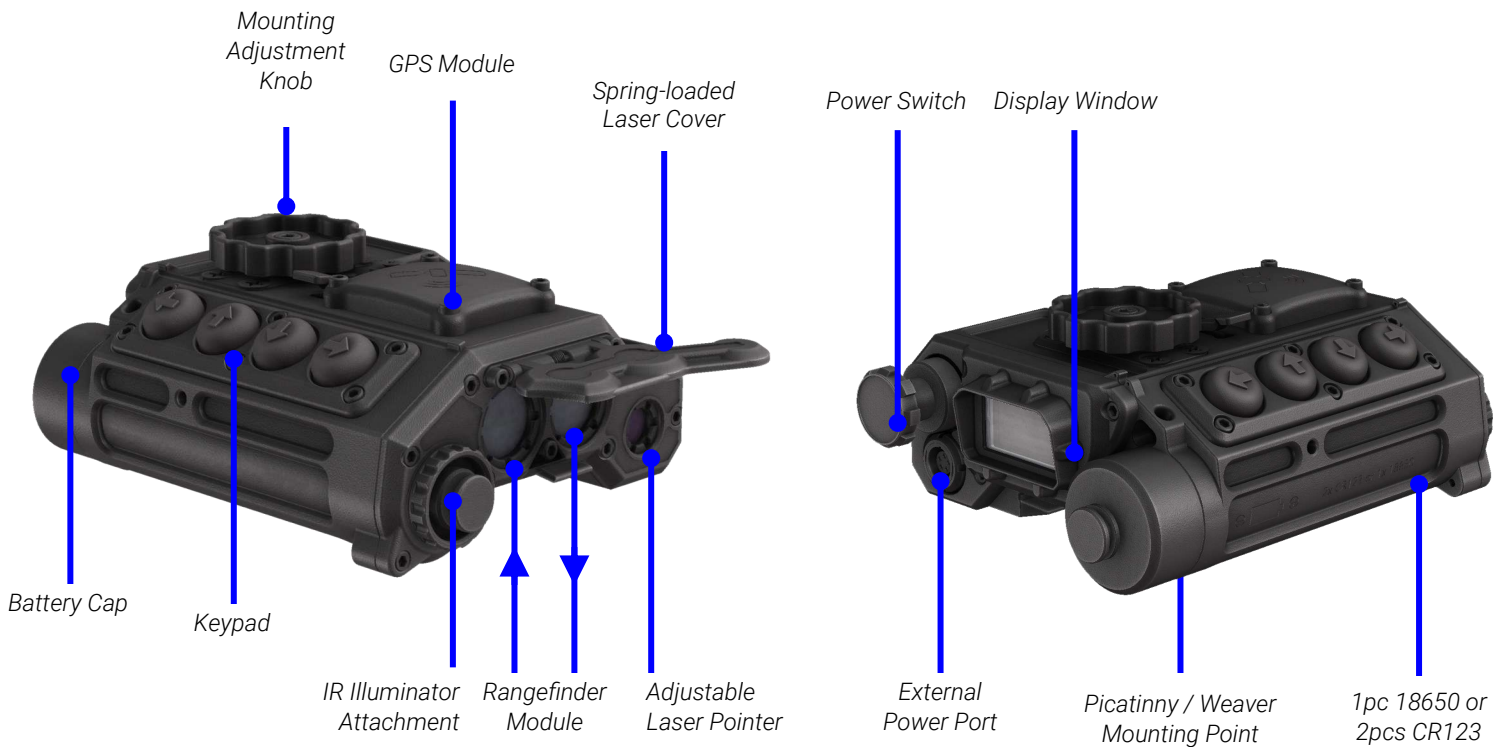
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The QRF-4500™ made for professionals who demands precision, accuracy, and reliability. It can be mounted linear to the firearm, day optics, electro-optical system or any other aiming device via Picatinny and Weaver rail. It can be powered and remote-controlled with universal power port. The Built-in GPS module will display your location and precise target location based on the distance measurement.



QRF-4500™ is a Great Companion for:

Precision Firearms



Day Optics



Thermal Imagers



Night Vision Devices



Fusion Systems



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## TECHNICAL SPECIFICATIONS

Ranging Capability	3m .. 4500m
Minimum Measuring Time	0.4s
Distance-To-Target Precision	Less than 1m
Distance Units	User-Selectable: Meters or Yards
Display Type	Integrated, Energy-Efficient, Digital (OLED), 0.96", Glare Protected
Compass	High Accuracy Magnetic and Gyro-Compass
Compatible Global Positioning Systems	GPS, GLONASS, Galileo, EGNOS
Precise GPS Location	Yes: Displayed in Degrees-Minutes-Seconds
Laser Safety Class	Class 1 (Eye Safe)
Laser Type	Default: IR Laser Optional: Red or Green Visible Laser
IR Illuminator	Variable 850 nm IR Illuminator (Detachable): Flood and Spot
Wavelength	Eye Safe 1550nm
Performance to NATO Target (2.3x2.3m)	2000m (30% Reflectivity)
Power Source	1pc 18650 or 2pcs CR123 or External Power Supply (4VDC .. 15VDC)*
Ranging Measurements / Battery Life	14,500 Events on 2pcs CR123
Dimensions	112x82x44 mm
Weight (without battery)	340 Grams
Mounting Interface	STANAG 4694 Picatinny Rail / Weaver Rail
Environmental Protection	IP67
Operating Temperature	-40°C .. +50°C
Storage Temperature	-50°C .. +60°C
Warranty	7 Years
Export	Available Worldwide

\* Batteries not included

### STANDARD EQUIPMENT: WHAT'S IN THE

1	QRF-4500™ Unit
2	IR Illuminator Attachment
3	USB Power Cable
4	Cleaning Kit (3-in-1 Multi-Pen + Cleaning Cloth)
5	Soft Carrying Pouch
6	Hard Carrying Case
7	User Manual

### OPTIONAL EQUIPMENT

A	Remote Control
B	MVP-240™ Universal Battery Pack



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