

ICUGR GUN-MOUNTED RANGEFINDER

SPECIFICATIONS

Wavelength - Low Power	Power	Class
Aim Lasers		
632nm - 642nm	4.5 mW	Class 3R
820nm - 840nm	0.55 mW	Class I
Illuminator		
820nm - 840nm	3 mW	Class 3R
LRF		
1500nm - 1600nm	3 mW	Class I
Wavelength - High Power	Power	Class
Aim Lasers		
632nm - 642nm	25 mW	Class 3B
820nm - 840nm	25 mW	Class 3B
Illuminator		
820nm - 840nm	30 mW	Class 3B

LRF Performance

Range of Return	
NATO vehicle-sized target	2500m (± 1 m - 30% Reflective*) TYP.
NATO man-size target	2500m (± 1 m - 30% Reflective*) TYP.
*Fair Conditions = 23 km visibility, ambient temperature 20°C, pressure 1013 mBar, detection probability 90%	

Power Supply

Battery	Single CR123A
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Physical

Dimensions (L x W x H)	5.96" x 2.84" x 1.80" (nominal)
Weight	12 oz (including remote and battery)
Operating temperature	-32° to +49°C
Storage temperature	-46° to +71°C
Immersion	1 m - 1 hr



The Optics 1 Integrated Compact Ultralight Gun-Mounted Rangefinder (I-CUGR) mounts to a weapon system using the standard MIL-STD-1913 Picatinny Rail System giving the operator the ability to range man-sized targets out to 1500 meters (± 1 meter) (depending on conditions) without taking hands off the weapon system. Without additional effort or moving off position, the digital display provides users with distance information in meters or yards.

When used in conjunction with night vision optics, the I-CUGR increases a unit's lethality by adding several capabilities: Night Vision Mode, Vis Laser – used for aiming and boresight, IR Laser – used for night engagements or to mark targets for other team members, IR Flood Light – discrete illumination of target area.

Developed as a modular system, the I-CUGR can be used on all types of military Sniper, CQB, or crew-served weapon systems (adaptor required) and can be used with all types of bullet designs and calibers. The simple two-button operation allows for ease of use on the device or with a remote so the shooter's hands never leave the weapon. The I-CUGR consumes very little power, allowing for extended use, and is ruggedized for military operations to include being waterproof to 1 meter. A single CR123 battery provides power for 3000+ LRF ranging events.

FEATURES

- ▶▶▶ **AIMING, ILLUMINATION, AND RANGEFINDING IN A SINGLE DEVICE**
- ▶▶▶ **ILLUMINATE A TARGET AREA IN LOW-LIGHT CONDITIONS**
- ▶▶▶ **ADJUSTS FROM WIDE-AREA FLOOD TO NARROW FOV**
- ▶▶▶ **EASILY READABLE IN DAY OR NIGHT CONDITIONS**
- ▶▶▶ **ATTACHES TO ALL MIL-STD 1913 RAIL SYSTEMS**
- ▶▶▶ **LONG OPERATIONAL LIFE ON A SINGLE CR123A BATTERY**