

RAPTAR X^e

RAPID TARGETING & RANGING MODULE - ENHANCED - HIGH POWER



ILLUSTRATED
IN COYOTE (-C) WITH
LASER COVER OPEN



PRODUCT OVERVIEW

The Wilcox RAPTAR Xe is the next generation in the RAPTAR line of products. As a Class 3B high power laser aiming device, the RAPTAR Xe is designed specifically for the military and law enforcement markets. The RAPTAR Xe provides snipers and advanced tactical shooters increased accuracy and precise engagement of targets at extremely long ranges.

Compared to its predecessor, the RAPTAR Xe is a smaller, lighter, and stronger laser aiming device, which significantly increases first-round hit capability. The built-in networking capabilities and user interface give the RAPTAR Xe superior maintenance and replenishment connectivity with key auxiliary devices. These leading-edge features increase the Operator's lethality and situational awareness.

Once the weapon and bullet information have been entered into the RAPTAR Xe through any paired mobile device using Applied Ballistics[®] proprietary software, the RAPTAR Xe captures both the environmental conditions transmitted from the sensor suite and the distance to the target transmitted by the precision laser range finder to the onboard computer, instantly providing a ballistic solution to the user.

The RAPTAR Xe is available in a red laser configuration with a variable Near Infrared (NIR) VCSEL illuminator feature that is the best in class and overall effective tactical solution in any low light combat situation. The ergonomic illuminator spool location allows for easy rapid adjustment of the NIR illuminator beam divergence for various distance and mission requirements. The RAPTAR Xe's visible (VIS) Aiming Laser, infrared (IR) Laser, and IR Illuminator are housed in a unique optical bench that is environmentally stable in combat conditions.

Wilcox has set the standards for optical performance in beam clarity and uniformity with extraordinary reduction in illuminator speckle, aiding in increasing the Operator's effectiveness and situational awareness.

The RAPTAR Xe can be paired with various sighting products on the market, providing a ballistic solution to a device that can disturb the reticle for faster engagements and maximized lethality.

When the RAPTAR Xe is securely mounted on any Picatinny style MIL-STD-1913 rail, it provides rock-solid boresight retention to the weapon.

Approved for Public Release



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ILLUSTRATED WITH LASER COVER CLOSED

ILLUSTRATED WITH INCLUDED
ERGOCTO Xe THREE BUTTON KEYPAD - 20", SINGLE CABLE

FEATURES AND BENEFITS

- Single optical bench houses the red VIS laser, NIR laser, variable NIR Illuminator, and LRF
- NIR VCSEL Illuminator projects precise, speckle-free beams for extreme clarity and optimal combat identification
- Aligns to the weapon using one (1) windage and one (1) elevation adjustment
- Powered by one (1) CR123A battery
- Mounts to any 1913 Picatinny rail using two (2) Thumbnuts
- Multi-function remote Keypads provide flexibility in programing custom options
- Auto display brightness
- Illuminator spool adjusts beam divergence from 17-105 mrad (0.97°-6.01°)
- Onboard ballistic computer measures temperature, pressure, humidity, inclination, cant, and heading; Wind speed and direction may be entered manually or via Bluetooth to calculate the ballistics solution
- Bluetooth interface provides key information on mobile devices and connectivity to auxiliary devices
- Large OLED Display outputs ballistics solution in MRAD, MOA, and Inches
- Programmable database stores up to 30 rifle and ammo profiles
- External Connector accepts Wilcox line of ERGOCTO Xe Keypads
- Five (5) selectable pulse modes on VIS/NIR laser settings
- Security tethered loop tie down

SPECIFICATIONS

Battery Life: Over 7 hours on Dual High IR Laser only
 Water Resistance: Waterproof to 1 meter for 60 minutes
 Boresight Retention: <0.5 mrad

Laser Type: Diode Based Laser Transmitter and APD Receiver
 Laser Classification/Wavelength: Class 1/1.55 μ m
 Beam Divergence: 17-105 mrad (0.97°-6.01°)
 Minimum Range: 10 meters
 Ranging Operation at 75.2°F (24°C): >2000 ranges
 Max Range @ 30% Reflectivity: 2000 meters Man Size Target
 3000 meters NATO Size Target

Laser Type/Wavelength/Power*:

Red VIS Laser/660 nm/75 mW
 NIR Aiming Laser/850 nm/30 mW
 NIR Illuminating Laser/850 nm/90 mW

*Nominal Output Power and is subject to $\pm 10\%$ tolerance. For Laser Safety, use Nominal Output Power +20%.



WARNING - VISIBLE AND INVISIBLE LASER RADIATION
 AVOID EXPOSURE TO BEAM
 CLASS 3B LASER PRODUCT

Available Colors: -C

PRODUCT DESCRIPTION	PART NUMBER
RAPTAR XE - HIGH POWER RED LASER	68500G01
ADDITIONAL EQUIPMENT	PART NUMBER
KEYPAD - 3 BUTTON - DUAL CABLE	68401G05
KEYPAD - 3 BUTTON - SINGLE CABLE 12"	68401G18
KEYPAD - 3 BUTTON - DUAL CABLE 20 INCH	68401G13

Contact [customer service](#) for other power output requirements and for TRACEIR, FLIR HISS, MVS/MVS-LR), SPARTAN-E/INOD, and no-end remote interface cable options.

IN PARTNERSHIP WITH:



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