

RAPTAR X^e

RAPID TARGETING & RANGING MODULE - ENHANCED - HIGH POWER



PRODUCT ILLUSTRATED
IN COYOTE (-C)
WITH LASER SAFETY
HOOD OPEN



PRODUCT OVERVIEW

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

Compared to its predecessor, the RAPTAR X^e 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 X^e 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 has been entered into the RAPTAR X^e through any paired mobile device using Applied Ballistics[®] proprietary software, the RAPTAR X^e 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 X^e is available in a red laser configuration with a variable 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 X^e's visible laser, 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 X^e 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 X^e product 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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PRODUCT ILLUSTRATED WITH LASER SAFETY HOOD CLOSED



PRODUCT ILLUSTRATED WITH INCLUDED
ERGOCTO Xe SINGLE 3 BUTTON ACTIVATION KEYPAD – 20" CABLE

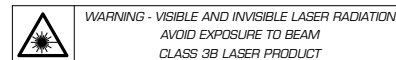
FEATURES & BENEFITS

- One 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
- The product is aligned to the weapon by one windage and one elevation adjustment
- Powered by one (1) CR123 3V battery
- Mounts to any 1913 Picatinny rail secured by 2 shock nuts
- Multi-function remote keypads provide flexibility in programming custom options
- Auto display brightness
- Illuminator spool adjusts beam divergence from approximately 20 mrad to 105 mrad
- On-board ballistic computer measures temperature, pressure, humidity, inclination, cant and heading. Wind speed and direction may be entered manually or via Bluetooth to calculate the ballistic solution
- Bluetooth interface provides key information on mobile devices and connectivity to auxiliary devices
- Large OLED display outputs ballistic solution in MIL, MOA & INCHES
- Programmable database stores up to 30 rifle and ammo profiles
- Remote port accepts Wilcox line of ERGOCTO® Xe Activation Key pads and ERGOCTO Xe Control Grips (optional)
- Five (5) selectable pulse modes on VIS/NIR laser settings
- Security tethered loop tie down

SPECIFICATIONS - HIGH POWER

Battery Life:	Over 8 Hrs
Immersion:	1 meter for 1 hour
Boresight Retention:	<.5 mrad
Laser Type:	Diode Based Laser Transmitter & APD Receiver
Laser Classification/Wavelength:	Class 1/1.55um
Beam Divergence:	< 1 mrad
Minimum Range:	20 meters
Ranging Operation at 24C:	>2000 ranges
Max Range @ 30% Reflectivity:	2000 meters Man Size Target
Max Range @ 30% Reflectivity:	3000 meters NATO Size Target
Laser Type/Wavelength/Power*:	Red Visible Laser/660nm/75mW
Laser Type/Wavelength/Power*:	Infrared Laser/850nm/30mW
Laser Type/Wavelength/Power*:	Infrared Illuminator/ 860nm VCSEL/90mW

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



Available Colors: -C

PRODUCT DESCRIPTION	PART NUMBER
RAPTAR Xe - HIGH POWER RED LASER	68500G01
ADDITIONAL EQUIPMENT	PART NUMBER
ERGOCTO Xe DUAL 3 BUTTON ACTIVATION KEYPAD WITH FISCHER CONNECTOR, 2ND CABLE INTERFACE WITH SUREFIRE FL - 12" CABLE	68401G03
ERGOCTO Xe SINGLE 3 BUTTON ACTIVATION KEYPAD WITH FISCHER CONNECTOR - 12" CABLE	68401G06
ERGOCTO Xe DUAL 3 BUTTON ACTIVATION KEYPAD WITH FISCHER CONNECTOR, 2ND CABLE INTERFACE WITH SUREFIRE FL - 20" CABLE	68401G13

Contact [customer service](#) for other power output requirements and for TRACEIR, FLIR HISS, INOD (IWS-7 & IWS17LR), SPARTN E/INOD and no end remote interface cable options.

View the benefits of [Blueforce® BTAC technology](#)



IN PARTNERSHIP WITH:



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