WILCOX®

Xe PRODUCT BROCHURE

OPERATIONAL SUSTAINMENT
BY BLUEFORCE DEVELOPMENT

75%

45%

Drone Replenishment In Route

25%

Replenishment Needed

Autonomous Vehicles Available for Replenishment

RAID Xp ™

LAST POLL: 11/7/19 9:57:56 AM

Shots Count
11361

Maintenance
0

Rail Battery
OK

Clock Battery
OK

Message Queue: 1

Selected Device   WXF-90000006 ▼

Edit   Sensor is ON
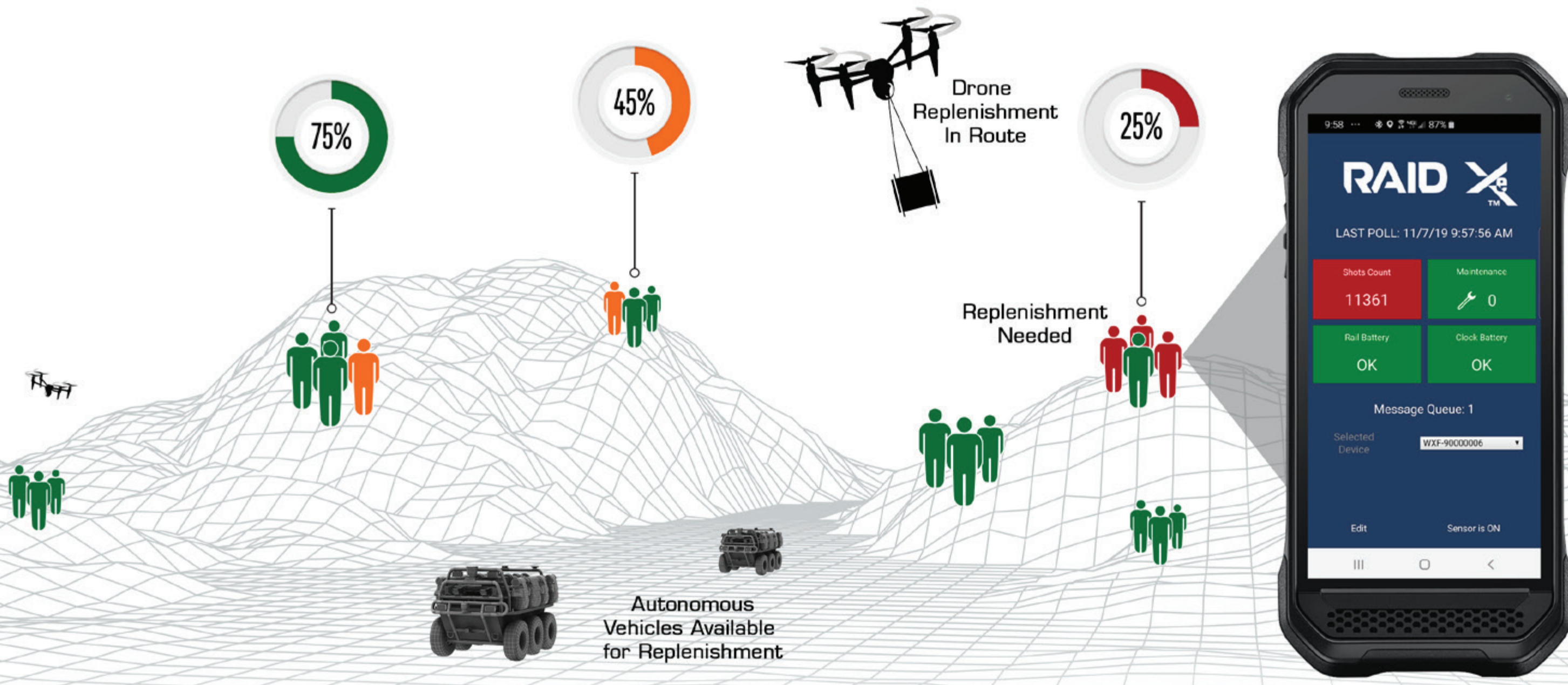
Battlefield, disaster response, and public safety sustainment is both an art and science; it's about synchronizing, integrating, and transporting commodities in a highly "just-in-time" manner to provide maneuver and incident commanders with freedom of action, extended operational reach, and prolonged endurance. As it turns out, the "science" of sustainment is not terribly difficult as it is grounded in basic math and computation, based on real-time data from the operational space. A fire team deploys with X amount of ammunition multiplied by the number of soldiers on a fire team, and then an ability to monitor ammunition consumption in real-time. The same calculus can be made for food, water, fuel, medical necessities, and nearly every other class of supply.

The "art" of sustainment is about considering how the tactical or incident response environment affects logistics and resupply. The "cog" at the center of the autonomous replenishment machine is data and situational awareness, fed by an array of IoT sensors (body worn and proximate) and stream analytics to anticipate resupply needs. Using a very simple example, a vehicle that takes X amount of petrol may be started early to warm up on a cold day which will require additional fuel sooner. Similarly, on a hot day with soldiers experiencing an accelerated operational tempo will drive faster and more acute need for resupply of water. Core to the discussion of "art", is all channel access to IoT, GIS, and environmental data, but also recognitional support "services" in the form of rules and AI.

Wilcox Industries, has partnered with Blueforce Development Corporation and Thunderbolt Solutions to develop a packaged capability for operational sustainment based on deployed fire teams using Wilcox Xe Products and the Wilcox FUSION System. These products house an integrated maintenance counter which monitors the number of rounds fired as well as barrel temperature and other rail sensors and moves weapon data using BlueforceTACTICAL (BTAC) where the data is shared amongst the fire team and their commander but is also shared with the Wilcox Armorers Module in an armory. Data is also monitored in real-time by Blueforce's new Autonomous Orchestration Plugin for BlueforceEDGE, which monitors a wide array of soldier systems to include the Wilcox FUSION System, Wilocx Xe Products, physiological wearables, CBRN, laser rangefinders/targeting, and others for single-variant

and multi-variant threats. The Plugin contains sets of business rules that can detect active engagement and shot counts, but also looks across an entire deployed fire team versus a single operator. On certain thresholds, the Plugin can launch autonomous drones, track vehicles, or other for resupply and/or over-watch.

BTAC™

NETWORKED ENABLED CAPABILITY

- Providing actionable, task relevant information to and from networked teammates.

- Shot counter: Monitors shot count which are shared in real time with other users and the Armorer's Module for BlueforceCOMMAND

- Temperature monitoring: Monitors weapon temperature and can forward based on high and low thresholds.

- Health/power: Monitors and reports maintenance flags or issues as part of the movement of shots, temperature, and location.

- Orthogonal sensor cueing allows the Wilcox BOSS Xe Plugin for BTAC to communicate with other BTAC plugins allowing image capture enabled sights to pass images to BTAC Cognitive Services Plugin for identification and real-time sharing.

- Offline queue: BTAC will hold presence packets when connectivity is denied. When BTAC sees an approved network, it forwards packets cached during offline operations.

- Network friendly Selective synchronization: Plugin may be configured to send ALL shot records, OR, only send those where shot count and/or temperature changes.

BOSS Xe™

BALLISTICALLY OPTIMIZED SIGHTING SYSTEM - ENHANCED - HIGH POWER

OVERVIEW

The Wilcox BOSS Xe™ is the next generation in the BOSS line of products. The BOSS Xe is a high power laser aiming device that features a fully integrated, environmentally stable optical bench that houses a reflex sight, red or green visible laser, NIR laser, fixed NIR illuminator, and iron sight all co-aligned to one another. The fixed NIR illuminator, combined with the newly added NIR room illuminator, features best in class overall effective tactical solution in any low light combat situation.

Decisively designed for the assaulter, the BOSS Xe differentiates itself from any other reflex sight on the market. The user can fire both supersonic and subsonic ammunition from the same weapon by simply flipping a trajectory switch that changes the point of aim and point of impact of each round fired without having to re-zero the weapon. This product is available in a red or green laser configuration.

Download technical data, additional resources and request pricing at **www.wilcoxind.com/BOSS-Xe**

TECH INSIDE

Download our technical brief, *"Investments in Optical and Laser Technologies Increase Effectiveness and Lethality"*

www.wilcoxind.com/BOSSXe-Brief

OFF CANT INDICATOR

FEATURES & BENEFITS

1. Reflex Sight

2. NIR Laser

3. NIR room Illuminator

4. NIR fixed Illuminator

5. Red/Green VIS Laser

6. Built-in Back Up Iron Sights

7. Remote Control Activation Pad Port

8. Battery Compartment

9. Reflex/Laser/Illuminator Brightness Control

10. Mode Selector Switch

11. Trajectory Switch

12. Shock Nuts Picatinny Mount

13. Elevation Adjustment for Zero Presets 1 & 2
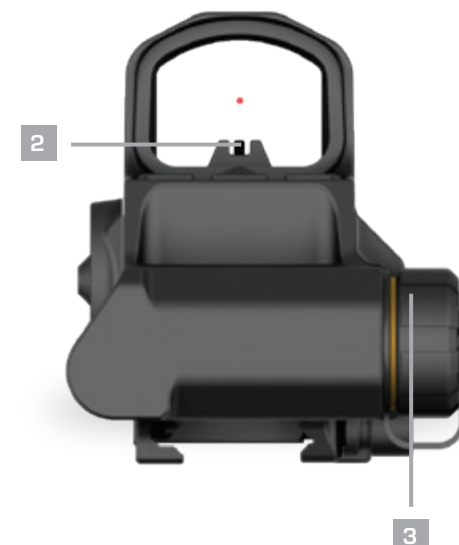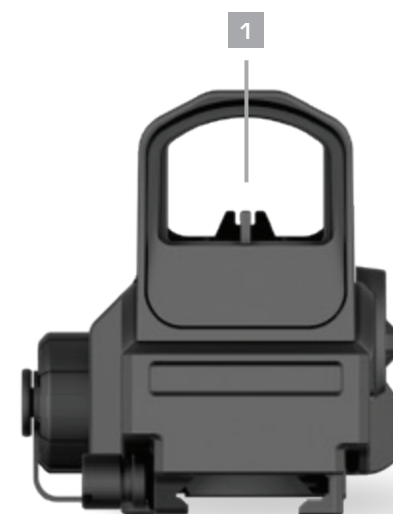
13. Windage Adjustment (not visible)

BOSS MXe ™

BALLISTICALLY OPTIMIZED SIGHTING SYSTEM - MOD - ENHANCED

BTAC ™

NETWORKED ENABLED CAPABILITY

- Providing actionable, task relevant information to and from networked teammates.

- Shot counter: Monitors shot count which are shared in real time with other users and the Armorer's Module for BlueforceCOMMAND

- Temperature monitoring: Monitors weapon temperature and can forward based on high and low thresholds.

- Health/power: Monitors and reports maintenance flags or issues as part of the movement of shots, temperature, and location.

- Orthogonal sensor cueing allows the Wilcox BOSS Xe Plugin for BTAC to communicate with other BTAC plugins allowing image capture enabled sights to pass images to BTAC Cognitive Services Plugin for identification and real-time sharing.

- Offline queue: BTAC will hold presence packets when connectivity is denied. When BTAC sees an approved network, it forwards packets cached during offline operations.

- Network friendly Selective synchronization: Plugin may be configured to send ALL shot records, OR, only send those where shot count and/or temperature changes.

OVERVIEW

The Wilcox BOSS MXe™ is the next generation in the BOSS line of products. The BOSS MXe features a fully integrated, environmentally stable optical bench that houses a reflex sight and iron sight all co-aligned to one another.

Decisively designed for the assaulter, the BOSS XMe differentiates itself from any other reflex sight on the market. The user can fire both supersonic and subsonic ammunition from the same weapon by simply flipping a trajectory switch that changes the point of aim and point of impact of each round fired without having to re-zero the weapon. This product is available in a red or green laser configuration.

Download technical data, additional resources and request pricing at **www.wilcoxind.com/BOSS-MXe**

FEATURES & BENEFITS

1. Reflex Sight
2. Built-in Back Up Iron Sights
3. Battery Compartment
4. Brightness Control

5. Mode Selector Switch
6. Shock Nuts Picatinny Mount
7. Elevation Adjustment
8. Windage Adjustment (not visible)

RAID Xe™

RUGGEDIZED AIMING/ILLUMINATION DEVICE - ENHANCED - HIGH POWER

BTAC™

NETWORKED ENABLED CAPABILITY

SENSOR TO SHOOTER ADVANTAGE

- Providing actionable, task relevant information to and from networked teammates.

- Shot counter: Monitors shot count which are shared in real time with other users and the Armorer's Module for BlueforceCOMMAND

- Temperature monitoring: Monitors weapon temperature and can forward based on high and low thresholds.

- Health/power: Monitors and reports maintenance flags or issues as part of the movement of shots, temperature, and location.

- Orthogonal sensor cueing allows the Wilcox RAID Xe Plugin for BTAC to communicate with other BTAC plugins allowing image capture enabled sights to pass images to BTAC Cognitive Services Plugin for identification and real-time sharing.

- Offline queue: BTAC will hold presence packets when connectivity is denied. When BTAC sees an approved network, it forwards packets cached during offline operations.

- Network friendly Selective synchronization: Plugin may be configured to send ALL shot records, OR, only send those where shot count and/or temperature changes.

OVERVIEW

The Wilcox RAID Xe™ is the next generation in the RAID line of products. The RAID Xe is a class 3B high power laser aiming device designed for assault and crew served weapons. The RAID Xe provides a smaller, lighter, stronger laser aiming device with superior, uncompromising performance. The ultimate beam clarity and uniformity aide rapid target acquisition and the built-in networking capabilities give the RAID Xe superior maintenance and replenishment connectivity, all increasing the warfighter's lethality and situational awareness.

This product is available in either red or green laser configurations. The NIR room illuminator combined with the existing variable NIR illuminator features best in class overall effective tactical solution in any low light combat situation. The ergonomic illuminator spool location allows easy rapid adjustment of the NIR illuminator beam divergence for variable distances and mission requirements.

Download technical data, additional resources and request pricing at **www.wilcoxind.com/RAID-Xe**

TECH INSIDE

Download our technical brief, *"Enhanced Laser Tech & Networking Abilities Give Operators The Tactical Edge"*

www.wilcoxind.com/RAIDXe-Brief

LASER SAFETY VISOR

RUBBER LASER SAFETY COVER

FEATURES & BENEFITS

1. Red/green VIS Laser
2. NIR Laser
3. NIR Variable Illuminator
4. NIR fixed room Illuminator
5. MIL-STD-1913/NATO STANAG Interface
6. NIR Illuminator Divergence Knob
7. High Power Lockout Screw Storage
8. Remote/Pressure Pad Port
9. OLED Display
10. Battery Compartment
11. Modular Visor Cover
12. Laser/Illuminator Output Adjustment
13. Windage (not visible)/Elevation Adjustment
14. Display Light Sensor/Programming Port
15. Mode Selector Switch
16. FIRE Activation Button
17. High Power Lockout Screw

MRF Xe™

MICRO RANGE FINDER - ENHANCED LOW POWER

BTAC™

NETWORKED ENABLED CAPABILITY

SENSOR TO SHOOTER ADVANTAGE

- Providing actionable, task relevant information to and from networked teammates.

- Shot counter: Monitors shot count which are shared in real time with other users and the Armorer's Module for BlueforceCOMMAND

- Temperature monitoring: Monitors weapon temperature and can forward based on high and low thresholds.

- Health/power: Monitors and reports maintenance flags or issues as part of the movement of shots, temperature, and location.

- Orthogonal sensor cueing allows the Wilcox MRF Xe Plugin for BTAC to communicate with other BTAC plugins allowing image capture enabled sights to pass images to BTAC Cognitive Services Plugin for identification and real-time sharing.

- Offline queue: BTAC will hold presence packets when connectivity is denied. When BTAC sees an approved network, it forwards packets cached during offline operations.

- Network friendly Selective synchronization: Plugin may be configured to send ALL shot records, OR, only send those where shot count and/or temperature changes.

OVERVIEW

The Wilcox MRF Xe™ is the next generation in the MRF line of products. As a class 3R low power laser aiming device, the MRF Xe is designed specifically for the military and law enforcement markets. The MRF Xe is a smaller, lighter, stronger laser ranging device with uncompromising performance superior to its predecessor. The built-in networking capabilities and user interface give the MRF Xe superior maintenance and replenishment connectivity with key auxiliary devices. These leading-edge features increase the warfighter's lethality and situational awareness.

Weapon and bullet information can be entered into the MRF Xe through any paired mobile device and with the application of proprietary third party software. Once the data is entered, the MFR 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.

Download technical data, additional resources and request pricing at **www.wilcoxind.com/MRF-Xe**

IN PARTNERSHIP WITH:

APPLIED BALLISTICS A*
THE SCIENCE OF ACCURACY
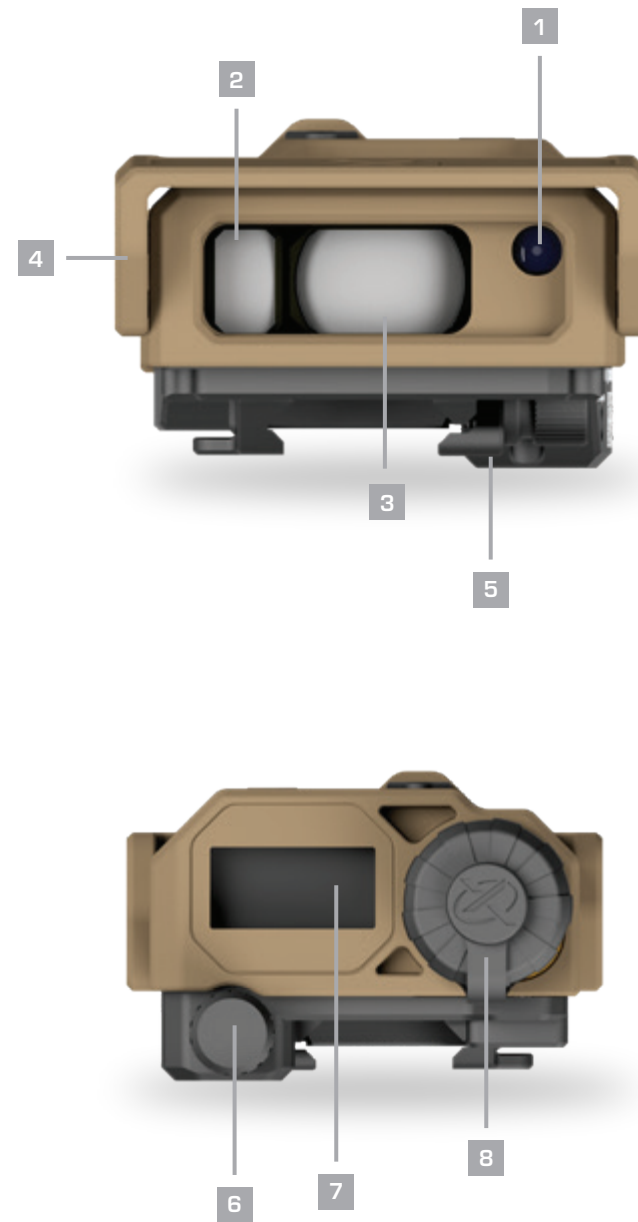
FEATURES & BENEFITS

1. VIS Laser Pointer

2. LRF Transmitter

3. LRF Receiver

4. Laser Safety Visor

5. MIL-STD-1913 Interface

6. Remote Control Activation Pad Port
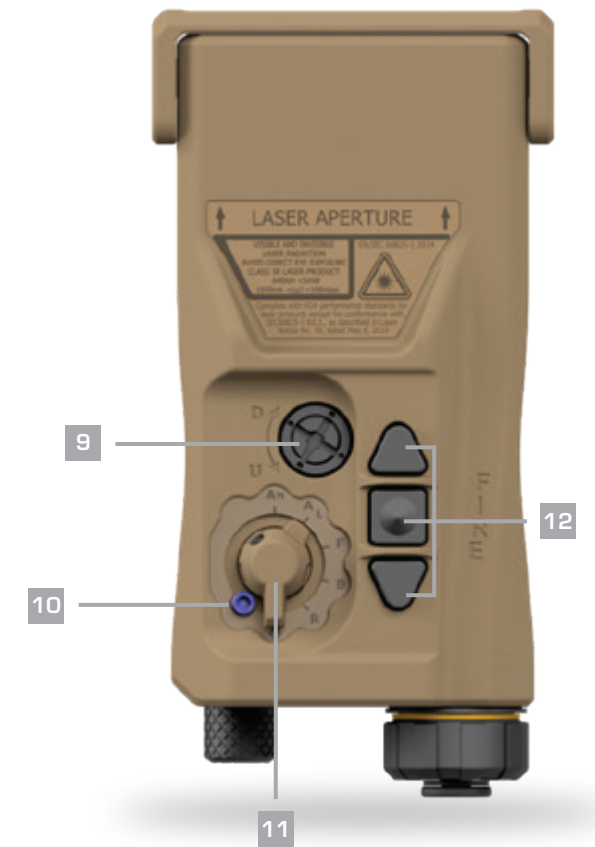
7. OLED Display/Ballistic Solver

8. Battery Compartment

9. Elevation Adjustment/Windage (not visible)

10. High Power Lockout Screw

11. Mode Selector Switch

12. Fire/Input Button

ERGOCTO Xe™

CONTROL ACTIVATION GRIP

OVERVIEW

The Wilcox ERGOCTO™ Xe™ Control Activation Grip is the next generation accessory that is ergonomically positioned for the user to control Wilcox new line of "Xe" laser and fire control devices. The ERGOCTO Xe Control Activation Grip mounts directly to the 6 o'clock rail position of the weapon with a unique grip design which allows for up to eight radial positions of the control button by the user. This feature provides an integrated control button that has an over molded skin that featuring a tactile surface that helps prevent slippage of the weapon grip when controlling the device.

Download technical data, additional resources and request pricing at **www.wilcoxind.com/Xe-Grip**

SINGLE

DUAL

Product Illustration ▬■■-C

ERGOCTO Xe™

ACTIVATION KEYPAD

OVERVIEW

The Wilcox ERGOCTO™ Xe™ Activation Keypad is the next generation accessory that is ergonomically positioned for the user to control Wilcox's new line of "Xe" lasers and fire control devices. The ERGOCTO Xe Activation Key Pad is mounted directly to any MIL-STD-1913 rail and can be positioned in-between the quadrant rails of most rifle handguards thereby preventing loss of the weapon grip when activating a device. The attachment mechanism of the ERGOCTO Xe Activation Key Pad features a very low-profile stance on the rail which does not interfere with the user's natural positioning of the pressure pad when handling a weapon. The ERGOCTO Xe Activation Key Pad is available in two configurations: single cable configuration that connects securely to Wilcox laser products or a dual connector cable configuration that connects to the Wilcox Laser products and the other connects to any Surefire flashlight product that has the tail-cap interface.

Download technical data, additional resources and request pricing at **www.wilcoxind.com/Xe-Keypad**

DUAL

SINGLE
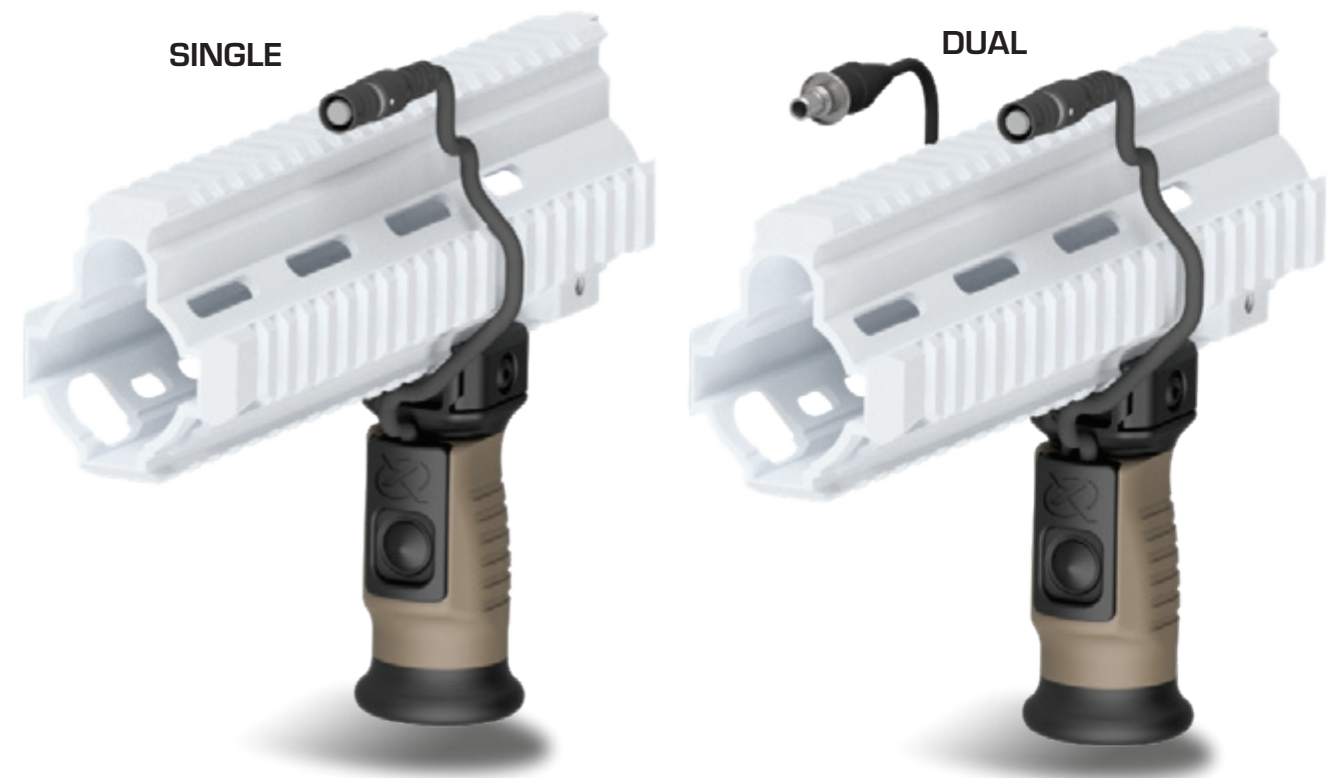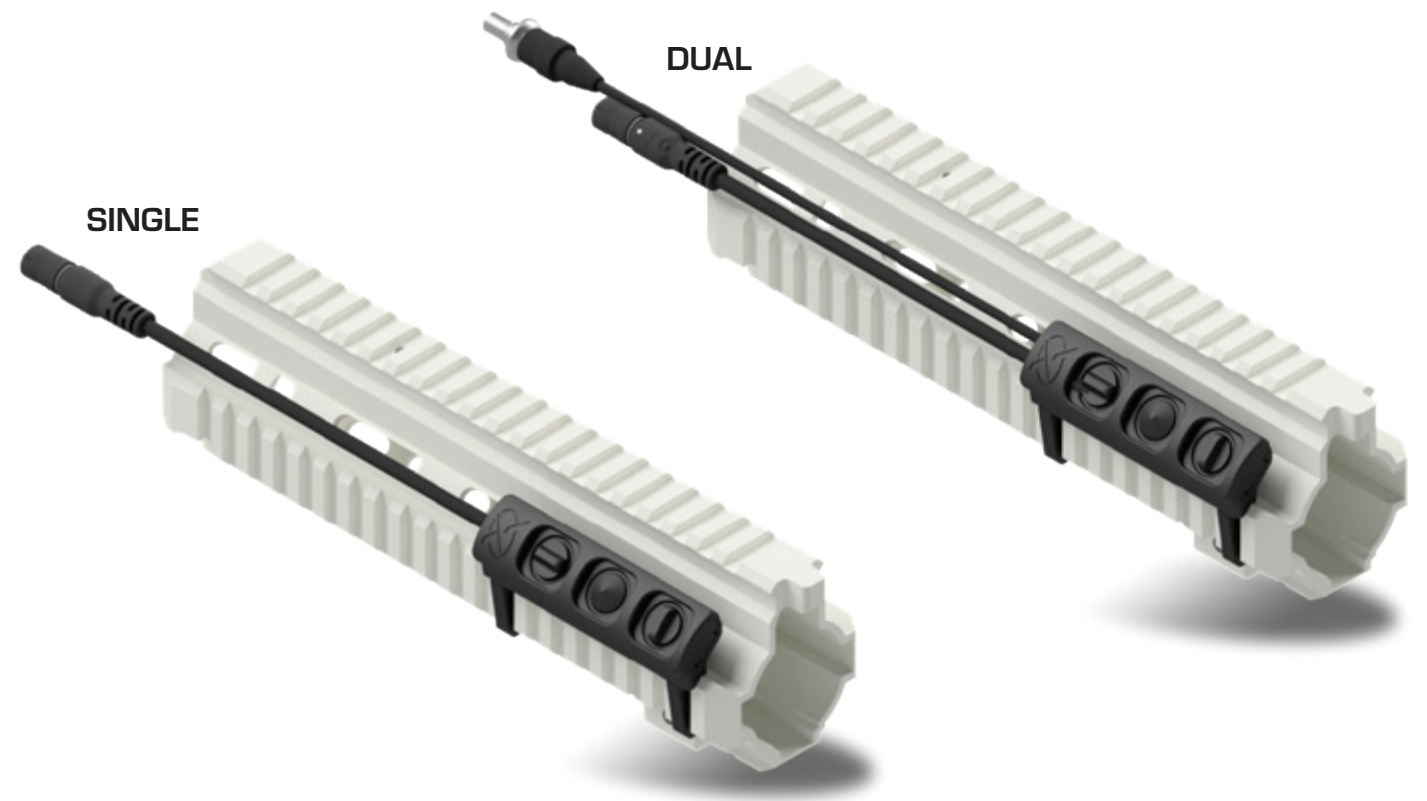
DRONE

POTENTIAL THREAT

BOSS X™

MRF X™

BTAC COMMAND CENTER

WILCOX PRODUCTS

PREDICTIVE MAINTENANCE

Wilcox weapons system data can be shared in real time with Wilcox Armorer's Module, a plugable module for BlueforceCOMMAND, and the authoritative application for service and predictive maintenance.

AUTONOMOUS REPLENISHMENT

Because BTAC and the Wilcox Plugin for BTAC are constantly monitoring weapons systems across a team, autonomous delivery platforms can be cued for just-in time field replenishment.

FORCE READINESS

The Wilcox Armorers Module not only drives supply chain value, but can also provide awareness of force readiness and can display weapon location and status.

TACTICAL AWARENESS

Real-time shared awareness of oxygen and PPE operating modes, environmental data, maintenance counters, barrel temperature, and maintenance status of Wilcox devices shared in real-time amongst the team and command.

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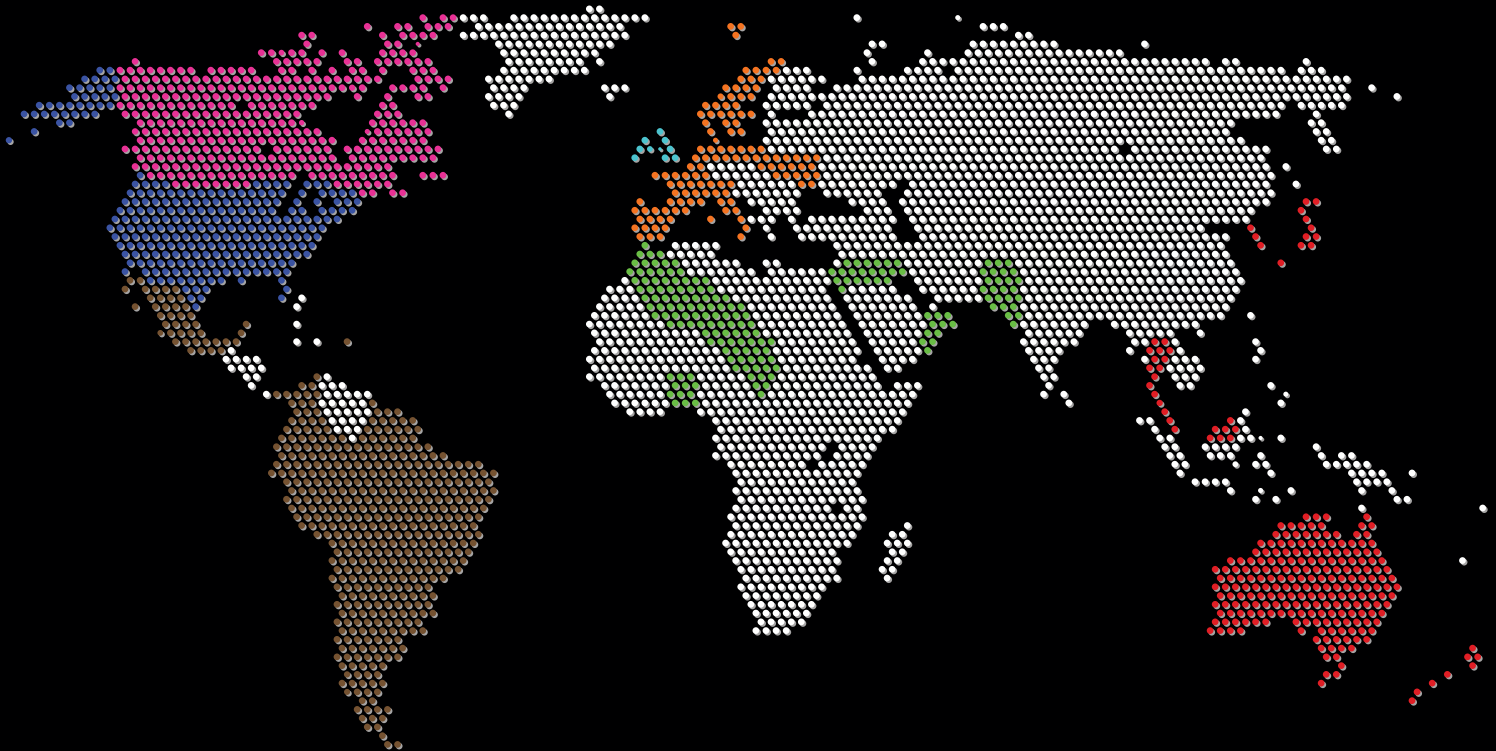**MIDDLE EAST & NORTH AFRICA**
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