

TACTICAL ELECTRONICS

ELITE TACTICAL CAMERAS & EOD SOLUTIONS

PANEL LOGO

CATALOG


- CAMERA + MONITORING SYSTEMS +
- CUSTOMIZED EOD TOOL KITS +
- SPECIALTY TOOLS + ALFORD +
- AUTHENTIC IED TRAINING AIDS +
- TRAINING PROGRAMS + SERVICES +
- ENGINEERING + R&D SOLUTIONS +





CAPABILITIES

 **PRODUCT DEVELOPMENT**

DESCRIPTION: 

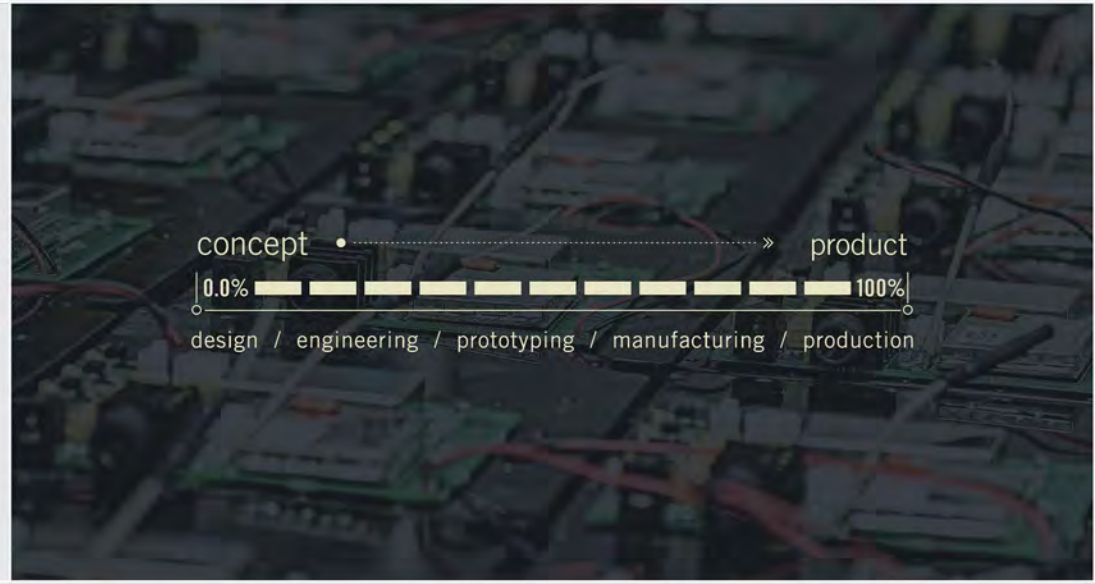
The ability to turn an idea into a fully functional elite tactical product entirely in-house is a unique service that sets Tactical Electronics apart from the competition. By hand selecting each member of our team, our clients enjoy complete confidence knowing that the best and brightest are on the job. Our internal capabilities include:

- Mechanical Engineers
- Electrical Engineers
- Software Engineers
- Subject Matter Experts
- 3D Printing
- CNC Machining
- Assembly Technicians
- Secure Facilities
- Quality Control
- Testing & Validation

Rather than segmenting team members into vertical units based on expertise, we have specifically designed a working environment that encourages interdisciplinary collaboration and includes state-of-the-art 3D printers, CNC machines, and MIL-STD-801G equipment such as thermal humidity chambers and Electrostatic Discharge Test tables. Our team approach aggressively accelerates all stages of product development from initial concept through prototyping to machining while maximizing the value of the services our clients receive.

At Tactical Electronics, we combine our internal resources with direct feedback from established Military and Law Enforcement clients to provide products and services that are specifically designed to protect those who protect us.

PRODUCTION:



Tactical Electronics is an end-to-end solution provider for all phases of product development. To ensure optimal product design and performance, our facilities house a complete engineering and production staff consisting of electrical & mechanical engineering, machining, production, and quality departments.



Our Research & Development Team has one objective: provide unique and elite solutions. This is why each and every product we develop is designed to provide supreme functionality with unmatched efficiency and reliability.

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POLE Grip

The CORE POLE Grip is available in multiple sizes: 8ft extended, 10ft extended, 17ft extended, and a hinged 17ft extended. The CORE Pole Camera, CORE Under Door Camera, and CORE Flex Camera can be quickly attached to the end of each POLE Grip.

MODULAR

Quickly remove & hot-swap cameras during operation.

CAMERA TOGGLE

Toggle live video between multiple camera sensors.

SNAPSHOT

Capture & record still image during live video monitoring.



MODULAR Grips

HOT-SWAP YOUR TACTICAL CAMERAS

CORE Systems: POLE Grip and CORE Grip



CORE Grip

The CORE Grip accepts all CORE Cameras: Under Door Camera, Flex Camera, Pole Camera, and Articulating Scope. The lightweight, handheld unit delivers complete flexibility when choosing which camera is right for your mission.



CORE CAMERA SYSTEMS

Wireless Digital Camera System

DESCRIPTION

Tactical Electronics' CORE Camera Systems improve the way operators perform tactical inspections by delivering the most advanced digital cameras, Thermal Fusion Technology, & unsurpassed modularity. CORE features wireless, high-definition, digitally encrypted cameras. Real-time video is streamed wirelessly to the monitor over an AES Encrypted channel.

WIRELESS

Real-time video transmission via encrypted 5GHz Wi-Fi.

ENCRYPTED

AES Encrypted video with WPA2-PSK Authentication.

THERMAL FUSION

Outlines & physical details overlaid onto thermal video.

HIGH DEFINITION

Stream real-time HD video to multiple monitors.

SD RECORDING

Automatic video recording to removable MicroSD card.

ADJUSTABLE LEDS

Adjustable high-intensity LED illumination (0-100%).

FEATURES:

The CORE System is completely modular, allowing operators to quickly attach multiple cameras to a CORE Grip or POLE Grip. The modularity of CORE provides the flexibility to quickly and easily switch camera heads during your operation.

The TE View App is available on the Google Play store for Android devices. Our Android app allows operators to view real-time video from any of Tactical Electronics' CORE Camera Systems. Each CORE Inspection Camera can be setup as an access point on the app, allowing teams to see multiple camera views.



THERMAL Fusion HD CAMERA + THERMAL IMAGER

Wireless CORE Monitor

Thermal Fusion Video delivers unsurpassed thermal detail and definition to the environment. Our technology combines real-time video from two separate camera sensors: an HD 1280x720p monochrome CMOS sensor and a Longwave infrared (LWIR) thermal imager. Physical details and outlines captured by the HD camera are overlaid onto the heat source imagery captured by the thermal camera.

Thermal Fusion Video allows operators the clarity to define physical characteristics of a target's heat source, while also identifying room temperate obstacles, threats, and structures within the immediate area.

Persons and objects are clearly defined by thermal color and outlines with [Thermal Fusion Video](#).



Thermal Fusion

Thermal Fusion Technology reveals the physical characteristics of the heat source by overlaying details onto standard thermal color imagery. Clearly identifying characteristics of an immediate area allows tactical teams to avoid obstacles and detect suspects, threats, and room layouts.

Thermal Fusion / STANDARD Thermal



STANDARD Thermal

Standard thermal imagery provides heat source imagery but lacks the clarity to identify features about the heat source. Obstacles like furniture, doors, and corners pose hazards to tactical teams. Most of these crucial features remain at room temperature and are difficult to detect with standard thermal video.



CORE POLE CAMERA

DESCRIPTION:

Extend your vision and tactical inspections with the CORE Pole Camera. This telescoping HD pole camera combines extreme low-light sensitivity with Thermal Fusion Video to provide operators with unsurpassed detail and clarity. The camera is attached to a telescoping POLE Grip. The POLE Grip is available in multiple sizes: 8ft extended, 10ft extended, 17ft extended, and a hinged 17ft extended. Poles are constructed of high density graphite and feature locking extension rings.

WIRELESS

Real-time video transmission via encrypted 5GHz Wi-Fi.

THERMAL FUSION

Outlines & physical details overlaid onto thermal video.

ENCRYPTED

AES Encrypted video with WPA2-PSK Authentication.

SD RECORDING

Automatic video recording to removable MicroSD card.

VIDEO TOGGLE

Toggle video between visible camera & Thermal Fusion.

ADJUSTABLE LEDS

Adjustable high-intensity white & IR LEDs (0-100%).

THERMAL FUSION:

The CORE Pole Camera houses two cameras: a low-light sensitive HD camera and a thermal imager. Thermal Fusion overlays outlines from the HD camera directly onto thermal signatures. Thermal Fusion Video defines persons & objects with thermal color and HD outlines, delivering operators with unsurpassed thermal video.



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- 📄
- 📀

SYSTEM FEATURES:
 4 x length options / System status LCD / 4x zoom
 Hardwire video option / Backlit buttons / Snapshot

SYSTEM SPECS:
 Power: Three CR123 batteries
 Transmission: 650ft line of sight



WIRELESS VIDEO:
 Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.



CORE UNDER DOOR CAMERA

DESCRIPTION:

Gain covert visual inspection into rooms behind closed doors with the CORE Under Door Camera. Wireless and digitally encrypted video is captured by a color CMOS sensor and provides excellent low-light sensitivity. The CORE Under Door insertion panel is 8.0in long and 0.26in thick. Easily slide the CORE Under Door Camera underneath a door with the POLE Grip for extended reach and standoff distance.

Real-time video is streamed wirelessly over an AES encrypted wireless channel. An optional hardwire cable connection is available for RF-restricted environments. High-intensity IR LED illumination can be activated and adjusted either directly on the camera, or remotely from the monitor.

WIRELESS
Real-time video transmission via encrypted 5GHz Wi-Fi.

ENCRYPTED
AES Encrypted video with WPA2-PSK Authentication.

VIDEO TOGGLE
Push button toggle between multiple camera views.

ADJUSTABLE LEDs
Adjustable high-intensity IR LEDs (0-100% dimming).

MULTIPLE CAMERAS:

The CORE Under Door Camera is available in a 1-camera, 2-camera, or 4-camera configuration. The dual camera provides forward and upward camera views, while the quad camera provides forward, upward, left, and right camera views. Operators can quickly toggle between camera views with the push of a button.



SYSTEM FEATURES:
Adjustable IR LEDs / System status LCD / Multiple cameras angles / Hardwire video option / Snapshot

SYSTEM SPECS:
Power: Three CR123 batteries
Transmission: 650ft line of sight



WIRELESS VIDEO:
Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.



CORE FLEX CAMERA

DESCRIPTION:

The CORE Flex Camera is a highly versatile handheld inspection tool. High-Definition, digitally encrypted video is captured through a 10in or 18in flex and stay camera neck. The CORE Flex Camera combines extreme low-light sensitivity with Thermal Fusion Technology to provide thermal video with unsurpassed detail and definition. The high-intensity IR LEDs are controlled and adjusted directly from the Flex Camera or remotely from the monitor. A hardwire video connection is also available for RF-restricted environments.

- WIRELESS**
Real-time video transmission via encrypted 5GHz Wi-Fi.
- ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.
- VIDEO TOGGLE**
Toggle video between visible camera & Thermal Fusion.
- THERMAL FUSION**
Outlines & physical details overlaid onto thermal video.
- SD RECORDING**
Automatic video recording to removable MicroSD card.
- ADJUSTABLE LEDS**
Adjustable high-intensity IR LEDs (0-100% dimming).

THERMAL FUSION:

The CORE Flex Camera houses two cameras: a low-light sensitive HD camera and a thermal imager. Thermal Fusion overlays outlines from the HD camera directly onto thermal signatures. Thermal Fusion Video defines persons & objects with thermal color and HD outlines, delivering operators with unsurpassed thermal video.



+	SYSTEM FEATURES: Adjustable IR LEDs / System status LCD / 4x zoom Hardwire video option / Backlit buttons / Snapshot	⚙️	SYSTEM SPECS: Power: Three CR123 batteries Transmission: 650ft line of sight
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📶	WIRELESS VIDEO: Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.	CORE SYSTEMS	14
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CORE ARTICULATING SCOPE

DESCRIPTION:

Capture digitally encrypted video with the CORE Articulating Scope. The 4-way 150 degree articulating camera neck provides excellent video quality and outstanding low-light sensitivity. Real-time video is streamed to the monitor over an AES encrypted wireless channel. An optional hardwire cable connection is available for RF-restricted environments. Additionally, the 1.0in eyepiece displays live video without requiring a separate monitor. The high-intensity UV LEDs can be activated and dimmed directly from the CORE Articulating Scope or remotely controlled from the monitor.

WIRELESS

Real-time video transmission via encrypted 5GHz Wi-Fi.

ADJUSTABLE LEDs

Adjustable high-intensity UV LED illumination (0-100%).

ENCRYPTED

AES Encrypted video with WPA2-PSK Authentication.

SD RECORDING

Automatic video recording to removable MicroSD card.

FEATURES:

- Hardwire to monitor for RF-restricted environments
- 4-way 150 degree articulation
- Color eyepiece with 1.0in AMOLED Display
- MicroSD card video recording with 32GB capacity
- Adjust UV LEDs intensity remotely from the monitor



SYSTEM FEATURES:
Adjustable UV LEDs / System status LCD / Snapshot
MicroSD card recording / Backlit push buttons

SYSTEM SPECS:
Power: Three CR123 batteries
Transmission: 650ft line of sight



MODULAR SYSTEM:
Quickly switch camera necks during operation.



WIRELESS VIDEO:
Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.



CORE CUSTOM KIT

DESCRIPTION:

Customize your CORE Kit to include all of the CORE Cameras, Grips, and Monitors needed for a successful mission. Quickly switch camera heads from the POLE Grip to the CORE Grip while a real-time video is streamed to the monitor(s). The CORE System is wireless, modular, high-def, and digitally encrypted. A custom CORE Kit is presented in a durable transport case with custom cut foam for each component.

The CORE Pole Camera and CORE Flex Camera feature Thermal Fusion Technology. Thermal Fusion overlays outlines from an HD camera directly onto thermal video. This results in a video image that defines persons and objects with both thermal color and HD outlines, delivering operators with unsurpassed thermal video.

WIRELESS

Real-time video transmission via encrypted 5GHz Wi-Fi.

ENCRYPTED

AES Encrypted video with WPA2-PSK Authentication.

MODULAR

Quickly remove & hot-swap cameras during operation.

SNAPSHOT

Capture & record still image during live video monitoring.

THERMAL FUSION

Outlines & physical details overlaid onto thermal video.

SD RECORDING

Automatic video recording to removable MicroSD card.

ADJUSTABLE LEDS

Adjustable high-intensity LED illumination (0-100%).

CAMERA TOGGLE

Toggle live video between multiple camera sensors.



SYSTEM FEATURES:
Adjustable LEDs / System status LCD / 4x zoom
Hardwire video option / Backlit buttons / Snapshot

SYSTEM SPECS:
Power: Three CR123 batteries
Transmission: 650ft line of sight



WIRELESS VIDEO:
Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.



SWIFT CAMERA SYSTEMS

Wireless Digital Camera System

DESCRIPTION

SWIFT Cameras are designed to be carried, deployed, and utilized by a single operator. The SWIFT Camera line is size, weight, and powered optimized, thus ideal for “on-the-go” applications. SWIFT Cameras deliver rapid power-up, deployment, and control features. The compact form factor of SWIFT enables operators to easily stow and carry each camera in a cargo pocket or pack. This expeditious design allows the cameras to be quickly deployed and easily controlled within a specific scenario.

WIRELESS

Real-time video transmission via encrypted 5GHz Wi-Fi.

ATAK + MANET

Connect real-time video via USB + Ethernet tactical port.

DUAL VIDEO

View both thermal and color video at the same time.

SWIFT VIDEO

Rapid deployment & power ON in less than 15 seconds.

ENCRYPTED

AES Encrypted video with WPA2-PSK Authentication.

ADJUSTABLE LEDS

Adjustable high-intensity LED illumination (0-100%).

FEATURES:

SWIFT Camera Systems feature a locking Tactical Accessory Port (TAP) that provides USB 2.0, 100Mbps Ethernet, and 12VDC power for real-time video streaming to ATAK & MANET radios.

Video can be streamed wirelessly through an internal 5GHz Wi-Fi radio or by hardwired connection through the TAP. Live video can be viewed on any TE Monitor or an Android device via the TE View App.

The TE View App is available for Android devices and enables operators to view live video from CORE & SWIFT Camera Systems on an Android device.



SWIFT POLE CAMERA

DESCRIPTION:

The SWIFT Pole Camera is a compact, rapid deployable pole camera that provides both low-light color and thermal video at an extended reach. The SWIFT Pole Camera is available in four extended length options: 1.0 meter, 1.75 meter, 2.0 meter, and 2.64 meter.

Two separate image sensors are contained within the camera head: a visible CMOS sensor with excellent low-light sensitivity and a FLIR Long-Wave Infrared sensor. Real-time video from both sensors is displayed in split screen on the 4.0 inch LCD Monitor.

WIRELESS

Real-time video transmission via encrypted 5GHz Wi-Fi.

DUAL VIDEO

Monitor live thermal + color video in split screen view.

ENCRYPTED

AES Encrypted video with WPA2-PSK Authentication.

COLLAPSIBLE

Compact design for rapid deployment & stow away.

DUAL CAMERAS

Toggle video between color camera & thermal imager.

ADJUSTABLE LEDS

Adjustable high-intensity white & IR LEDs (0-100%).

DUAL VIDEO:

Displaying color video alongside white-hot thermal video provides operators multiple views of every environment. One button toggle allows operators to quickly change views between color video, thermal video, and color + thermal split screen view.



SYSTEM FEATURES:
 Size + weight + power optimized / Swift power-up / Rapid deploy + carry + stow / Stand-by power mode

SYSTEM SPECS:
 Power: Two CR123 batteries
 Transmission: 500ft line of sight



ATAK + MANET:
 The integrated Tactical Accessory Port (TAP) provides direct USB & Ethernet connectivity for real-time video streaming to both ATAK + MANET radios.



SWIFT UNDER DOOR CAMERA

DESCRIPTION:

The SWIFT Under Door Camera is a size, weight, and power optimized camera system that is compact enough to fit within a Double M4 Mag Pouch. Featuring up-to four individual cameras located within a 0.26in thick insertion panel, the SWIFT Under Door Camera provides video from multiple directions: forward, upward, left, and right. Each viewing direction is supplemented with covert 950nm Infrared LED illumination for both low-light & no-light environments.

WIRELESS

Real-time video transmission via encrypted 5GHz Wi-Fi.

LOW-LIGHT VIDEO

Most light sensitive 0.25in video sensor on the market.

CAMERA TOGGLE

One button toggle between 2, 3, or 4 camera angles.

COMPACT DESIGN

Engineered to provide rapid deployment & stow away.

ENCRYPTED

AES Encrypted video with WPA2-PSK Authentication.

ADJUSTABLE LEDS

Adjustable high-intensity IR LED illumination (0-100%).

MULTIPLE CAMERAS:

The SWIFT Under Door Camera is available in a 1-camera, 2-camera, or 4-camera configuration. The dual camera provides forward and upward camera views, while the quad camera provides forward, upward, left, and right camera views. Operators can quickly toggle between camera views with the push of a button.



SYSTEM FEATURES:
Size + weight + power optimized / Swift power-up / Rapid deploy + carry + stow / Stand-by power mode

SYSTEM SPECS:
Power: Two CR123 batteries
Transmission: 500ft line of sight



ATAK + MANET:
The integrated Tactical Accessory Port (TAP) provides direct USB & Ethernet connectivity for real-time video streaming to both ATAK + MANET radios.



SWIFT FLEX CAMERA

DESCRIPTION:

The SWIFT Flex Camera is a handheld inspection tool that features a flex-and-stay neck. Choose from three different camera head options to best suit your mission. The Visible SWIFT Flex Camera features a color CMOS sensor, excellent low-light sensitivity, and integrated LED illumination. The Thermal SWIFT Flex Camera features a Long Wave Infrared (LWIR) FLIR thermal imager. The Dual SWIFT Flex Camera features both a color CMOS sensor and a FLIR thermal imager.


The SWIFT Flex Camera features a locking Tactical Accessory Port that provides USB 2.0, 100Mbps Ethernet, and 12VDC power in.


-  **WIRELESS**
Real-time video transmission via encrypted 5GHz Wi-Fi.
-  **ADJUSTABLE LEDS**
Adjustable high-intensity LED illumination (0-100%).
-  **ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.
-  **COMPACT DESIGN**
Engineered to provide rapid deployment & stow away.

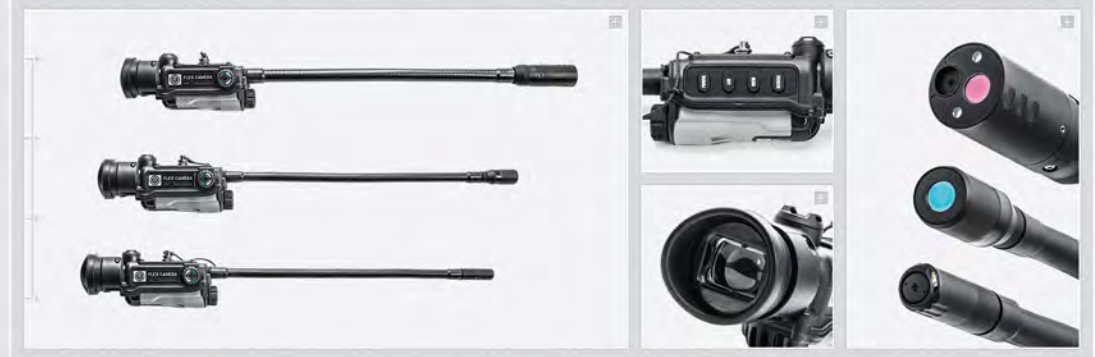
RAPID DEPLOYMENT:

SWIFT Camera Systems are equipped with stand-by power mode to help preserve battery life and provide a quick return to video within 10 seconds. SWIFT Cameras are ideal for operators who require a compact, lightweight, & rapidly deployed inspection camera.



 **SYSTEM FEATURES:**
Size + weight + power optimized / Swift power-up / Rapid deploy + carry + stow / Stand-by power mode

 **SYSTEM SPECS:**
Power: Two CR123 batteries
Transmission: 500ft line of sight



 **ATAK + MANET:**
The integrated Tactical Accessory Port (TAP) provides direct USB & Ethernet connectivity for real-time video streaming to both ATAK + MANET radios.



SWIFT VIDEO SCOPE

DESCRIPTION:

Capture digitally encrypted video with the SWIFT Video Scope. The 8mm articulating camera probe provides operators with exceptional video quality in extreme low-light environments. Real-time video is streamed to the monitor over an AES encrypted wireless channel. A direct hardwire connection to the monitor is also available for RF-restricted environments. The 1.0in AMOLED eyepiece displays live video without requiring a separate monitor.

Located in the distal tip, a high-intensity UV LED can be adjusted (0-100% illumination) directly from the SWIFT Video Scope or controlled remotely from the monitor.

- WIRELESS**
Real-time video transmission via encrypted 5GHz Wi-Fi.
- LOW-LIGHT VIDEO**
Extreme low-light sensitive 0.005 lux camera sensor.
- ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.
- SD RECORDING**
Automatic video recording to removable MicroSD card.

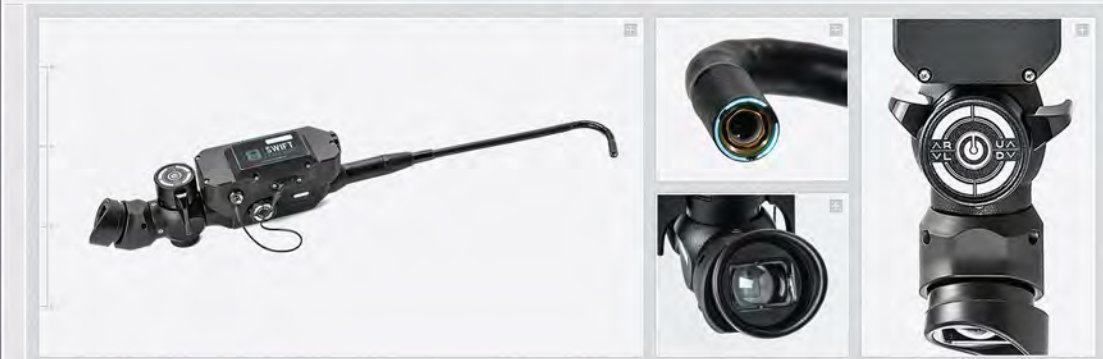
ARTICULATION:

The camera probe articulates in four directions (160° up, 130° down, 100° left & right) and is manipulated via fine-touch paddles. The SWIFT Video Scope is available with a 12in or 24in length probe.



SYSTEM FEATURES:
Size + weight + power optimized / Swift power-up / Rapid deploy + carry + stow / Stand-by power mode

SYSTEM SPECS:
Power: Three CR123 batteries
Transmission: 500ft line of sight



ATAK + MANET:
The integrated Tactical Accessory Port (TAP) provides direct USB & Ethernet connectivity for real-time video streaming to both ATAK + MANET radios.



SYNC UNDER DOOR CAMERA

DESCRIPTION:

The SYNC Under Door Camera provides rapid visual access into rooms or around corners. Featuring two individual cameras located within a 0.26in / 6.6mm thick insertion panel, the SYNC UDC provides both forward and upward camera views.

Each camera view is supplemented with covert 950nm Infrared LED illumination for low-light and no-light applications. Simply plug the SYNC Under Door Camera into any Android tablet or mobile device to view video on the TE View mobile app. Use the SYNC Under Door Camera can in tandem with the SWIFT Pole Camera. Connect the systems via hardwire to power and view the SYNC Under Door Camera's video on the SWIFT Pole Camera's LCD.

CAMERA TOGGLE

One button toggle between forward & upward cameras.

LOW-LIGHT VIDEO

Most light sensitive 0.25in video sensor on the market.

ADJUSTABLE LEDS

Toggle high-intensity IR LED illumination 0-50-100%.

COMPACT DESIGN

Engineered to provide rapid deployment & stow away.

FEATURES:

- 6.6mm / 0.26in thick insertion panel
- Forward & upward looking cameras
- 640 x 480px color sensor with 16V/lux-sec
- Toggle between forward & upward camera views
- 4 x 950nm IR LEDs: 2 per camera view
- Hardwired power & video for rapid deployment



SYSTEM FEATURES:
Measuring 2in wide & 7in long, the SYNC UDC easily fits in a cargo pocket for rapid deployment.

SYSTEM SPECS:
Weight = 14oz / Height = 0.7in
Length = 7.0in / Width = 1.8in



ATAK + MANET:
The integrated Tactical Accessory Port (TAP) provides direct USB & Ethernet connectivity for real-time video streaming to both ATAK + MANET radios.



K9-XR CAMERA

DESCRIPTION: ▾

The K9-XR Camera is a high-powered extended range camera system that transmits live video & audio back to the K9 handler. Easily receive video/audio on the K9-XR Monitor from up to 450 meters away from the canine. Two-way audio communication on the K9-XR Camera allows handlers to give commands and listen to a canine and/or suspect, utilizing the “Push to Talk” feature.

The K9-XR Camera combines a low-light color camera with high-intensity visible & IR LEDs, providing vision in extreme low-light environments. The K9-XR Camera also includes a white-hot thermal camera for detecting hidden heat signatures.

- 🔊 2-WAY AUDIO**
Push-to-talk 2-way audio between handler & K9.
- 🔦 ADJUSTABLE LEDs**
Remotely adjust & toggle 2 x visible and 2 x IR LEDs
- 🔒 ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.
- 📁 SD RECORDING**
Automatic video recording to removable MicroSD card.

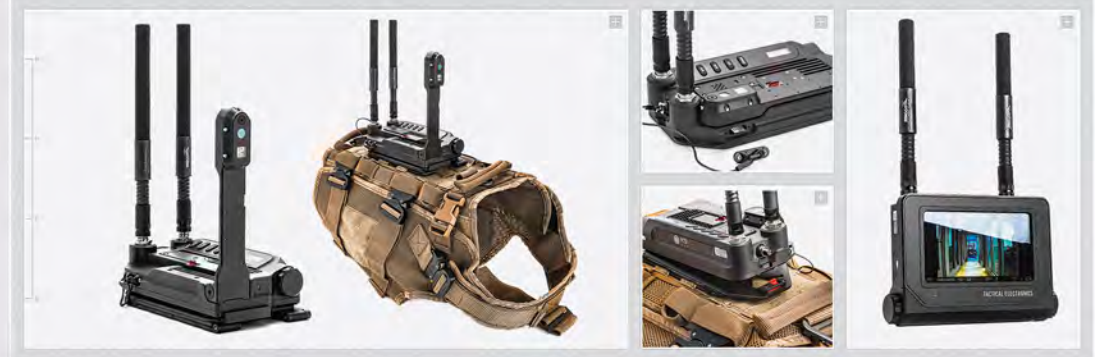
DESIGN: +

The camera arm is spring loaded, allowing canines to maneuver through tight spaces and obstacles. An internal DVR records audio & video directly to a MicroSD card. K9 handlers can watch live video from the dog’s perspective while simultaneously recording the video for evidence collection and training purposes. The foldaway camera neck and removable antennas make the K9-XR Camera compact and easy to transport via soft carry or hard case.



SYSTEM FEATURES:
Integrated FLIR thermal imager with remote toggle between white-hot thermal & color video sensors.

SYSTEM SPECS:
Power: Four CR123 batteries
Weight: 2.0lb 9.0oz / 1.16kg



EXTENDED RANGE:
Utilizing high powered radios with custom designed software, the K9-XR System provides up-to 450 meters of real-time video & audio transmission.



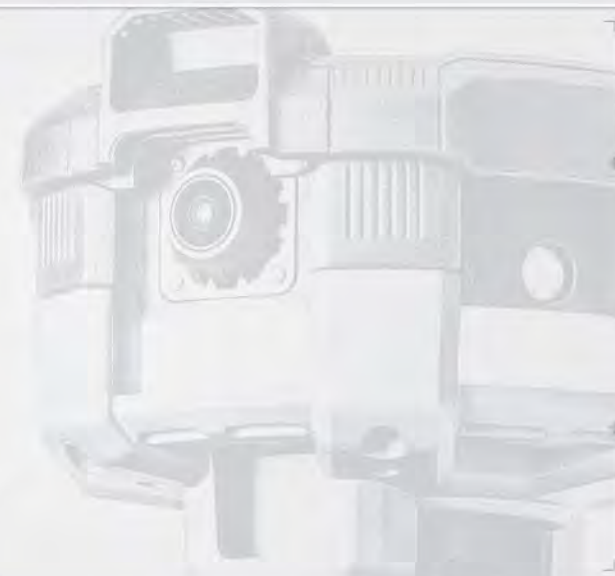
SCOUT 360[°] SURVEILLANCE

The SCOUT is a portable surveillance system that allows you to quickly deploy a perimeter or observation point that will stream live audio and video over a secure cellular connection to a laptop, smartphone, or tablet.

Each tripod unfolds easily with one button release and extends up to 7.5 feet into the air. There are two opposing cameras built in, giving the viewer a 360-degree field of view. The tripod uses a common DeWalt battery providing over 20 hours of continuous operation. The cameras stream live video and 2-way audio over FirstNet®, AT&T's secure first responder network. Four embedded PIR sensors alert the operator of movement in the area and a GPS module provides real-time location and tracking data. There is also a remote interface to control lights, sirens, or other sensor platforms from the viewing app.

FEATURES:

- AT&T FirstNet® cellular compatible
- 2-way audio
- 2 cameras provide 360-degree field of view
- 20+ hours standard DeWalt battery operation
- 110V AC adapter for continuous operation
- 360-degree motion detection
- Built in LED illumination
- Remote sensor interface
- Collapsible to 3.5 feet with carrying case
- Extendable to 7.5 feet high
- Multiple SCOUTS viewable simultaneously



SYSTEM FEATURES:
Rapid deployment: system extends to 7.5 feet high and collapses down to 3.5 feet for swift transport.



SYSTEM SPECS:
Runtime: 20 hours of continuous operation + 110V AC adapter



360° VISION:
Two cameras provide a live 360-degree field of view and stream real-time video + 2-way audio over FirstNet®, AT&T's secure first responder network.



CORE MONITOR

DESCRIPTION:

The CORE Monitor displays high-definition video from CORE and SWIFT Camera Systems over an AES Encrypted 5 GHz wireless channel. The display screen is 5.0 inches and made of 1mm Gorilla Glass to provide extra durability and sunlight readable capability. The CORE Monitor provides one button remote toggling between multiple camera sensors. Additionally, the camera's LED intensity can be remotely controlled directly from the CORE Monitor.



The CORE Monitor features backlit push buttons and a capacitive touch screen. An optional hardwire cable connection is available for RF-restricted environments. Attach the CORE Monitor to your wrist via a Velcro strap or use as a handheld monitor.

-  **WIRELESS**
Real-time video monitoring via encrypted 5GHz Wi-Fi.
-  **CAMERA TOGGLE**
Remote one button toggle between camera sensors.
-  **ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.
-  **ADJUSTABLE LEDS**
Remote intensity control of camera's LED illumination.


FEATURES:

- View visible & thermal video on a 5.0in IPS LCD
- Secure pairing with CORE & SWIFT Camera Systems
- Capacitive touchscreen for setup & configuration
- Remote adjustment & control of camera's LEDs
- Remote toggle between multiple camera views
- Hardwire to camera for RF-restricted environments



-  **SYSTEM FEATURES:**
Remote LED intensity control / Hardwire video option / Backlit buttons / Snapshot image capture
-  **SYSTEM SPECS:**
Power: Three CR123 batteries
Wireless range: 650ft line of sight



-  **WIRELESS VIDEO:**
Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.



TE4 MONITOR

DESCRIPTION:

The TE4 Monitor displays wireless and/or hardwired video from all Tactical Electronics' Camera Systems on a 4.0 inch LCD. While streaming video, operators can remotely adjust the camera's LED intensity and toggle between multiple camera views. The optional NVG IR filter provides covert NVG viewing by blocking visible light from the LCD. Video on the display can still be seen using NVGs without giving away the user's position.

The TE4 offers cellular connectivity to support cloud-based video streaming to TE Link (telink.tacticalectronics.com). Login from anywhere with an internet connection to view live video from any Tactical Electronics CORE, SWIFT, and SYNC Camera Systems with a TE Link subscription.

- WIRELESS**
Real-time video monitoring via encrypted 5GHz Wi-Fi.
- WIRELESS VIDEO:**
Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.
- CAMERA TOGGLE**
Remote one button toggle between camera sensors.
- ADJUSTABLE LEDS**
Remote intensity control of camera's LED illumination.
- ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.

FEATURES:

The hardwire Tactical Accessory Port (TAP) provides a ruggedized friction-locking, breakaway connector with USB 2.0, 100 Mbps Ethernet, and 12VDC power input. The TAP receives hardwired video from the camera source and forwards the video stream onto MANET radios and other tactical radio networks for long-range distribution.



- SYSTEM FEATURES:**
Remote LED intensity control / Hardwire video option / Backlit buttons / Snapshot image capture
- SYSTEM SPECS:**
Power: Two CR123 batteries
Wireless range: 650ft line of sight





TE5 MONITOR

DESCRIPTION: ▾

The TE5 Monitor displays wireless and/or hardwired video from all Tactical Electronics' Camera Systems on a 5.0 inch LCD. While streaming video, operators can remotely adjust the camera's LED intensity and toggle between multiple camera views. The optional NVG IR filter provides covert NVG viewing by blocking visible light from the LCD. Video on the display can still be seen using NVGs without giving away the user's position.

The TE5 offers cellular connectivity to support cloud-based video streaming to TE Link (telink.tacticelectronics.com). Login from anywhere with an internet connection to view live video from any Tactical Electronics CORE, SWIFT, and SYNC Camera Systems with a TE Link subscription.


-  **WIRELESS**
Real-time video monitoring via encrypted 5GHz Wi-Fi.
-  **CAMERA TOGGLE**
Remote one button toggle between camera sensors.
-  **ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.
-  **ADJUSTABLE LEDS**
Remote intensity control of camera's LED illumination.

FEATURES: +


The hardwire Tactical Accessory Port (TAP) provides a ruggedized friction-locking, breakaway connector with USB 2.0, 100 Mbps Ethernet, and 12VDC power input. The TAP receives hardwired video from the camera source and forwards the video stream onto MANET radios and other tactical radio networks for long-range distribution.



 **SYSTEM FEATURES:**
Remote LED intensity control / Hardwire video option / Backlit buttons / Snapshot image capture

 **SYSTEM SPECS:**
Power: Three CR123 batteries
Wireless range: 650ft line of sight



 **WIRELESS VIDEO:**
Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.





TE1 MONOCULAR

DESCRIPTION:

The TE1 Monocular features a 1.0 inch AMOLED eyepiece that displays video from any Tactical Electronics camera. While streaming video, the TE1 Monocular can remotely adjust the selected camera's LEDs and camera views. Stream video over Wi-Fi or over hardwire connection.

The TE1 Monocular features a rugged, locking, Tactical Accessory Port (TAP) that provides USB 2.0, 100Mbps Ethernet, and 12VDC power in. The USB and Ethernet interfaces can be used to stream video from TE Cameras or MANET radios.

This compact monitor can be mounted to a helmet using the industry standard Wilcox mount.


-  **WIRELESS**
Real-time video monitoring via encrypted 5GHz Wi-Fi.
-  **CAMERA TOGGLE**
Toggle live video between multiple camera sensors.
-  **ENCRYPTED**
AES Encrypted video with WPA2-PSK Authentication.
-  **ADJUSTABLE LEDS**
Remote intensity control of camera's LED illumination.

FEATURES:


- 1.0 inch AMOLED color display eyepiece
- Integrated standard Wilcox mount
- Hardwire to camera for RF-restricted environments
- Remote toggle between multiple camera views
- Tactical Accessory Port provides USB, Ethernet, 12VDC
- Powered by two CR123A batteries
- Connect 12V DC power source for extended runtime



 **SYSTEM FEATURES:**
Remote LED intensity control / Hardwire video option / Backlit buttons / Snapshot image capture

 **SYSTEM SPECS:**
Power: Two CR123 batteries
Wireless range: 500ft line of sight



 **WIRELESS VIDEO:**
Real-time video is transmitted across an encrypted 5GHz wireless channel, the video stream is received and displayed on Tactical Electronics' monitors.



EOD TOOL KITS & SPECIALTY TOOLS

◀ Designed specifically for EOD & Bomb Techs

DESCRIPTION

Tactical Electronics' Explosive Ordnance Disposal (EOD) Tool Kits are developed by EOD and Bomb Technicians. Each kit is comprised of hand-selected tools that can be used to safely perform electronics diagnostics, defeat analog intrusion systems, and render safe suspected Improvised Explosive Devices (IEDs). Our team has carefully organized each component into custom nylon cases to ensure every EOD kit is compact, lightweight, and highly accessible.

EOD TOOL KITS:

- 2ND LINE ELITE
- 1ST LINE v2
- RAPID ACTION KIT
- MANUAL ACCESS KIT v2
- POWER ACCESS KIT v2
- DET DIAGNOSTIC KIT v2
- TACTICAL BOMB TECH KIT
- LEGACY EOD TOOL KITS

SPECIALTY TOOLS:

- WIRE ATTACK SPECIAL PIERCER PROBES
- HEAVY & LIGHT ACCESS KIT
- ALARM BYPASS TRAINER BOX
- SCORPION
- DETONATOR DIAGNOSTIC TRAINER
- XTK® GRID AIM SYSTEM
- GYRO STABILIZED PLATFORM
- ALFORD EXPLOSIVE BREACHING & EOD TOOLS

TACTICALELECTRONICS.COM

VISIT OUR WEBSITE TO VIEW COMPLETE POPULATION LISTS.



2ND LINE ELITE EOD TOOL KIT

DESCRIPTION:

An improvement on Tactical Electronics' original 2nd Line EOD Tool Kit, or "2Line" as it has come to be known after more than a decade in service, the 2nd Line Elite EOD Tool Kit (2Line Elite) continues to provide EOD and Bomb Technicians with the tools necessary to execute EOD and render safe procedures. This newly curated collection of updated immediate action, remote in-extremis, lightweight manual and power access tools, and electronic diagnostic equipment, offers operators a modular and portable system customizable for all types of downrange mounted or dismounted scenarios.

The 2nd Line Elite builds on the legacy of our original 2Line while increasing overall functionality in a lighter weight and more streamlined pack designed for on-the-go missions with modularity and target specific requirements in mind.

KIT CONTENTS:

The 2nd Line Elite includes six individually populated tool sets: A 1st Line v2 (1Line v2), Manual Access Kit v2 (MAK v2), Power Access Kit v2 (PAK v2), DET Diagnostic Kit v2 (DDK v2), Accessories Kit, and a new kit called the Rapid Action Kit (RAK). The RAK replaces the legacy RIP kit and Immediate Action Pouch to expand the functionalities of both into a single kit meant to be worn outside of the backpack or on the individual for quick access to an array of tools for many types of 1st Line render safe operations.

- 1st Line v2
- Manual Access Kit v2
- DET Diagnostic Kit v2
- Rapid Action Kit
- Power Access Kit v2
- Accessory Kit



KIT FEATURES:
Compact and modular / Durable lightweight material
Essential EOD tools / Custom tool compartments



MODULAR:
Six individual nylon kits with
customized tool compartments.



1ST LINE v2



RAK



MAK v2



PAK v2



DDK v2



ACCESSORY KIT



CUSTOMIZED:
Our SME team has precisely chosen each tool & organized the contents into our customized bags, ensuring every kit is compact & highly accessible.



1ST LINE v2

DESCRIPTION:

The 1st Line v2 (1Line v2) provides operators with a lightweight kit that builds upon the capabilities of the Rapid Action Kit (RAK) without redundancy. It considers space limitations when it may not be practical to carry 2nd line tools, such as those in the Manual Access Kit v2 (MAK v2) or the Power Access Kit v2 (PAK v2), to target. With the 1st Line v2 in hand, operators have more options for securing and inspecting devices using slightly heavier hand and cutting tools for render safe and access than are found in the Rapid Action Kit (RAK).

FEATURES:

- Included in the 2nd Line Elite
- Ideal for dismantled operations
- Designed with customized tool compartments
- Small lightweight Cordura bag
- Fits in a BDU cargo pocket



KIT FEATURES:
Compact & modular / Durable lightweight Cordura
Essential EOD tools / Custom tool compartments



SPECIFICATIONS:
L 10.0in x W 3.5in x H 6.0in
Weight = 2.4lb / 1.1kg



INCLUDED IN THE 2ND LINE ELITE



CUSTOMIZED:
Our SME team has precisely chosen each tool & organized the contents into our customized bags, ensuring every kit is compact & highly accessible.



RAPID ACTION KIT

DESCRIPTION:

The Rapid Action Kit (RAK) is an assault style kit meant to be attached to LBE for quick access. It is outfitted with tools for immediate action and remote in-extremis pull (RIP) scenarios. The RAK was designed by Tactical Electronics' EOD trainers and SMEs to expeditiously handle many types of situations that a dismounted operator might encounter on the modern battlefield before having to reach into a backpack for 1st or 2nd line tools, or when those tools are out of reach. The RAK is designed to be jumpable when attached to LBE, fit into a BDU cargo pocket, and is unequivocally the primary kit that every EOD tech should have in their rapid action load-out. The RAK replaces the need to carry both a RIP and an IAP.

FEATURES:

- Included in the 2nd Line Elite
- Ideal for dismounted operations
- Designed with customized tool compartments
- Small lightweight Cordura bag
- Rapid access to a variety of EOD tools



KIT FEATURES:
 Compact & modular / Durable lightweight Cordura
 Essential EOD tools / Custom tool compartments



SPECIFICATIONS:
 L 3.5in x W 5.0in x H 7.5in
 Weight = 3.5lb / 1.6kg



INCLUDED IN THE 2ND LINE ELITE



CUSTOMIZED:
 Our SME team has precisely chosen each tool & organized the contents into our customized bags, ensuring every kit is compact & highly accessible.



MANUAL ACCESS KIT v2

DESCRIPTION:

The Manual Access Kit v2 (MAK v2) is included in the 2nd Line Elite EOD Tool Kit or can be purchased stand alone. It contains manual hand tools only and is designed for use when 1st line tools are not enough to stabilize, gain entry, or perform more complicated tasks. The bag itself has been redesigned from previous versions to include several detachable inner pouches secured by hook-and-loop, including a "grab-and-go" 1-Minute Epoxy zipper pouch. Unnecessary material has been removed resulting in a lighter weight bag from previous versions. The bag's perimeter dimensions are equal to the DDK v2 and the PAK v2 ensuring a good "stackable" fit inside the 2nd Line Elite backpack or other containers. Our modular design provides increased kitting flexibility and better functionality to the EOD Operator.

FEATURES:

- Included in the 2nd Line Elite
- Designed with customized tool compartments



KIT FEATURES:
Compact & modular / Durable lightweight Cordura
Essential EOD tools / Custom tool compartments



SPECIFICATIONS:
L 11.5in x W 4.5in x H 10.25in
Weight = 9.0lb / 4.0kg



INCLUDED IN THE 2ND LINE ELITE



CUSTOMIZED:
Our SME team has precisely chosen each tool & organized the contents into our customized bags, ensuring every kit is compact & highly accessible.



POWER ACCESS KIT v2

DESCRIPTION:

The Power Access Kit v2 (PAK v2) is included in the 2nd Line Elite EOD Tool Kit or can be purchased stand alone. It contains cordless 12V drill and rotary power tools with a wide assortment of wood, metal, plastic, hole, and other drill and cut-off bits. The PAK v2 is designed for use when 1st line or manual tools are not enough to gain access in more complex situations. The bag itself has been redesigned from previous versions to include a zipper sleeve to securely hold bits. Attached by hook-and-loop, the bit sleeve is "grab-and-go" for increased flexibility for the EOD Operator. The bag's perimeter dimensions are equal to the DDK v2 and the MAK v2 ensuring a good "stackable" fit inside the 2nd Line Elite backpack or other containers. Our modular design provides increased kitting flexibility and better functionality to the EOD Operator.

FEATURES:

- Included in the 2nd Line Elite
- Designed with customized tool compartments



KIT FEATURES:
Compact & modular / Durable lightweight Cordura
Essential EOD tools / Custom tool compartments



SPECIFICATIONS:
L 11.5in x W 3.5in x H 10.25in
Weight = 9.0lb / 4.0kg



INCLUDED IN THE 2ND LINE ELITE



CUSTOMIZED:
Our SME team has precisely chosen each tool & organized the contents into our customized bags, ensuring every kit is compact & highly accessible.



DET DIAGNOSTIC KIT v2

DESCRIPTION:

The DET Diagnostic Kit v2 (DDK v2) is included in the 2nd Line Elite EOD Tool Kit or can be purchased stand alone. The DDK v2 gives operators the tools necessary to safely perform electronic diagnostics. The DDK v2 includes 6 probe Wire Attack Special Purpose Probes (WASPP) for non-invasive electrical measurements. It can be ordered with a 6 or 12 probe WASPP in black or multi-color. The DDK v2 bag has been redesigned from previous versions for increased functionality and lighter weight by removing unnecessary material and adding removable mesh zipper pouches, secured by hook-and-loop, for all components with the exception of the multimeter and tone probe, which are secured by straps. The bag's perimeter dimensions are equal to the MAK v2 and the PAK v2 ensuring a good "stackable" fit inside the 2nd Line Elite backpack or other containers. Our modular design provides increased kitting flexibility and better functionality to the EOD Operator.

FEATURES:

- Included in the 2nd Line Elite
- Designed with customized tool compartments



KIT FEATURES:
 Compact & modular / Durable lightweight Cordura
 Essential EOD tools / Custom tool compartments



SPECIFICATIONS:
 L 11.5in x W 4.0in x H 10.25in
 Weight = 5.5lb / 2.5kg



INCLUDED IN THE 2ND LINE ELITE



CUSTOMIZED:
 Our SME team has precisely chosen each tool & organized the contents into our customized bags, ensuring every kit is compact & highly accessible.



ACCESSORY KIT

DESCRIPTION:

The Accessories Kit contains additional items to supplement immediate render safe operations or to replace expendable items used elsewhere in the 2nd Line Elite. It contains 200' of extra cordage, carabiners, batteries, blades, hook knives, and adds a mini breakaway pulley and lightweight tent stakes to the 2nd Line Elite. Items are contained in a zipper pouch with a clear plastic front for easy identification and quick accessibility.

KIT CONTENTS:

- Mini Breakaway Pulley
- Black Spring Carabiner (2)
- Disposable Hook Knife (2)
- Button Cell Batteries (6) w/ Carrier
- 100' 550 Paracord
- 100' 7/64" Dyneema Cord
- 9mm Ceramic Snap Off Blades (5)
- Latching Hook Knife w/ Replaceable Blade
- Hook Knife Replacement Blades (4)
- 1" x 30' Gorilla Tape Roll
- Ultralight Tent Stakes (4)



KIT FEATURES:

Durable lightweight Cordura / Replacement items
Additional 200' cordage / Mini breakaway pulley



SPECIFICATIONS:

L 8.0in x W 2.0in x H 6.5in
Weight = 1.5lb / 0.7kg



INCLUDED IN THE 2ND LINE ELITE



CUSTOMIZED:

Our SME team has precisely chosen each tool & organized the contents into our customized bags, ensuring every kit is compact & highly accessible.



TACTICAL BOMB TECH KIT

DESCRIPTION:

The Tactical Bomb Tech Kit was developed by Bomb Technicians with extensive experience providing support for Tactical Units. The kit contains essential tools for the Tactical Bomb Tech including the WASPP, Multimeter, RIP Kit, 1st Line and Milwaukee tools. The slim profile backpack includes modular pouches allowing you to customize your equipment load out per mission requirements. The Tactical Bomb Tech kit includes external pouches for additional equipment, a padded pouch for an XRS-150, and a pouch for a nano X-ray panel. The pack also includes two sets of shoulder straps and two side pockets with waterproof zippers to house disruptor and initiator.

FEATURES:

- Slim profile, lightweight backpack
- External dual pouch panel for additional equipment
- XRS-150 padded pouch
- Nano x-ray panel padded pouch
- Modularity for mission specific load outs
- Two sets of interchangeable shoulder straps
- Two side pockets for disruptor and initiator
- Add on capability for additional equipment
- Backpack available in: multi-cam, tan, & black
- WASPP kit included as part of diagnostic equipment



KIT FEATURES:

Compact and modular / Durable lightweight material
Essential EOD tools / Custom tool compartments



KIT CONTENTS:

Visit tacticalelectronics.com to view complete population list.



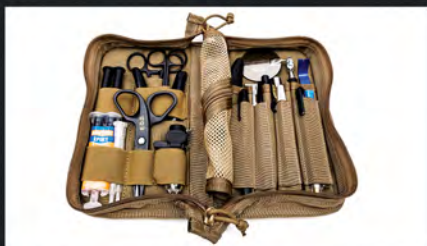
CUSTOMIZED:

Our team has carefully organized each component into custom nylon cases to ensure every EOD kit is compact, lightweight, and highly accessible.



◀ 2ND LINE TOOL KIT

The 2nd Line EOD Tool Kit is designed to equip EOD and Bomb Technicians with all of the tools they need for render safe procedures. The complete tool kit includes the 1st Line Tool Kit, Immediate Action Pouch, Remote In-extremis Pull Line Kit, Manual Access, Bit Kit, and the DET Diagnostic Kit. All of the kits fit into the Mystery Ranch RATS Pack or the Mystery Ranch NICE Crewcab. Both Mystery Ranch packs feature the Bolstered Ventilation and Stability System.



◀ 1ST LINE TOOL KIT

The 1st Line Kit is designed to provide EOD Operators and Bomb Technicians with a versatile, lightweight kit that builds upon the capabilities of the Immediate Action Pouch without unnecessary or wasteful redundancy. The compact design allows for the kit to be carried in a cargo pocket or stored in a small assault pack compartment. This kit is ideal for missions where the user has limited cargo or carry space such as dismantled operations, where the operator must take weight or dimensions into consideration. The Immediate Action Pouch (IAP) is included with the 1st Line Kit.



◀ IMMEDIATE ACTION POUCH

The Immediate Action Pouch (IAP) provides EOD Operators and Bomb Technicians with the capability to take immediate action from a small, lightweight, highly accessible platform. The IAP is designed to be attached to the user's body armor or other tactical equipment via MOLLE for increased accessibility.



◀ RIP KIT

The Tactical Electronics Remote In-extremis Pull Line Kit (RIP Kit) offers EOD operators and Bomb Technicians a lightweight, easy to deploy, hook-and-line system. The RIP Kit includes interchangeable vise grabber, cutter, blue V-lite, weighted throw bag, and collapsible hook with 100 feet of 7/64 Amsteel line. The compact pouch is easily attached to vest or packs with MOLLE.



◀ MANUAL ACCESS KIT

The Manual Access Kit (MAK) is designed to enhance EOD and Bomb Technicians' capabilities to render safe suspect devices. Used either as a standalone kit or as part of a tailored ensemble with Tactical Electronics other kits, the MAK is outfitted with the tools necessary to stabilize and access devices in order to perform render safe procedures. The kit includes Tactical Electronics 6 foot trip wire probe and the Tactical Electronics black out cloth. Bit Kit is included with the MAK.



◀ DET DIAGNOSTIC KIT

The DET Diagnostic Kit (DDK) is designed to provide EOD and Bomb Technicians with the ability to safely perform electronics diagnostics. This kit comes with all the tools required to perform detonator or switch diagnostics; additionally, this kit provides the operator with the necessary equipment to perform diagnostics on analog intrusion detection systems. The DDK includes the Wire Attack Special Piercer Probes kit (WASPP), designed for noninvasive electrical measurements of wires. Each DDK includes 6 specialized "bed of nails" piercers with volt meter leads and 6 extensions.



◀ WIRE ATTACK SPECIAL PIERCER PROBES

The Wire Attack Special Piercer Probes kit (WASPP) is specifically designed to allow EOD operators to make non invasive electrical measurements of wires. Each WASPP includes 10 specialized "bed of nails" piercers with volt meter leads and 10 extensions. These probes pierce the insulation of wires and contact the internal conductor at multiple points providing positive connection and ensuring the most accurate measurements.



◀ HEAVY ACCESS KIT

The Heavy Access Kit (HAK) was designed for first responders with the need to access and stabilize containers and vehicles. The HAK is populated with powerful saws and drills that will assist in gaining access through heavier materials. The HAK is complementary to the Light Access Kit.



◀ LIGHT ACCESS KIT

The Light Access Kit (LAK) is populated with the right amount of battery operated tools and accessories designed for first responders to enhance their light access capability. These tools can be used to access various materials to include wood and thin metals. The LAK can be used in conjunction with Tactical Electronics suite of fiberscopes and inspection tools to view inside suspect containers, devices, and vehicles.



◀ ALARM BYPASS TRAINER BOX

The Tactical Electronics Alarm Bypass Trainer Box (ABT) is a portable table-top training aid for repetitive hands-on practice of alarm bypass techniques. With fully adjustable settings, the ABT can be used to sustain and improve sensor measurement, wire management and alarm sensor defeat procedures.



◀ SCORPION

A tool employed in the defeat of analog commercial intrusion detection systems, the Scorpion will allow the operator to "trick" the system into ignoring sensor tampering caused by defeat procedures.



◀ DETONATOR DIAGNOSTIC TRAINER

The Detonator Diagnostic Trainer (DDT) is a portable table-top training aid for repetitive hands-on practice of blasting cap diagnostic and defeat techniques. With fully adjustable settings, the DDT can be used to sustain and improve EOD and Bomb Squad skills on cap removal and render safe procedures.



SPECIALTY TOOLS

1/1
2/1
3/1
4/1

XTK® GRID AIM SYSTEM

DESCRIPTION: ▾

The XTK® Grid Aim System provides EOD Operators with the capability to target individual components inside a device with extreme accuracy using standard precision tools. The XTK® Grid Aim System works in conjunction with the X-Ray Toolkit™ software to provide a precision firing solution. XTK® software is available to bomb technicians and government agencies through www.xraytoolkit.com. Tactical Electronics is certified to instruct the XTK® software and has been licensed by Sandia National Labs to manufacture the Grid Aim System.

FEATURES: +

- Weapons Block for PAN Disruptor (with rail mounts)
- SL-500 EOD Green Boresight Laser
- Custom Source Locator Plate
- Tripod: Manfrotto MT190X3
- Geared Head: Manfrotto 405
- Quick Release Plate (QR Plate): Manfrotto 410PL

XTK® TRAINING: ☰

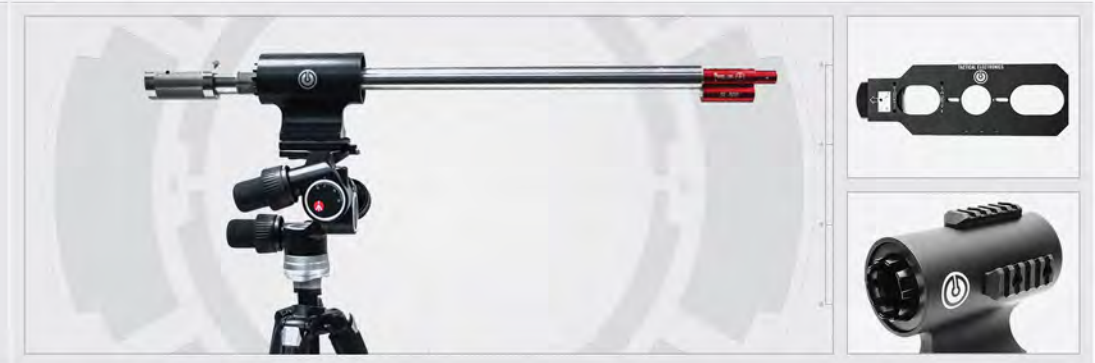
Tactical Electronics' XTK® Operators Training is designed to provide the knowledge and skills necessary for an EOD Operator to effectively utilize the XTK® software to acquire, process, and analyze X-Rays during an IED incident. Attendees will participate in classroom lectures and practical labs designed to enhance their understanding of how IEDs function and practical exercises focusing on the identification of an array of IED components and triggering mechanisms.

PRODUCT PHOTO: ▾



SYSTEM FEATURES:
 Small, medium, large grid boards / Affixed tungsten markers / Rugged case with custom fit foam

OPTIONS:
 T3 Breech Cap / Crimson trace rail reference laser



TRAINING:
 XTK® software is available to bomb technicians and government agencies. Tactical Electronics is certified to offer a training course in XTK® software.

SPECIALTY TOOLS **66**



GYRO STABILIZED PLATFORM

DESCRIPTION:

The Gyro Stabilized Platform is optimized for use in extreme mobile environments such as: vehicles, boats, and aircraft. The high speed gyros effectively mitigate recoil while also providing precise aiming regardless of erratic movement from the mobile mount.

*DDTC ITAR Controlled

SPECIFICATIONS:

Wheels:
4 Tungsten 7 lbs (3.2kg) wheels spin at 20,000 RPM

Gyro Weight:
17 lbs (7.75kg) each

Fan:
Waterproof exterior fan

Power Source:
12V, 14V, 24V or 28V, AC *Sealed housing

*The GSP integrates with a multipurpose mount



MOUNTING OPTIONS:
Rotary aircraft / Fixed wing aircraft / Watercraft
Land vehicles

CONSTRUCTION:
Aluminium 6061
Stainless Steel 303 & 304



SYSTEM FEATURES:
Universal mounting base / Man portable / Universal Picatinny weapon mount
Recoil dampening system / Adjustable gyro base / Quick weapon detachment



◀ ALFORD BOOTBANGER

The BootBanger™ is an innovative water disruptor used against Vehicle-Borne Improvised Explosive Devices (VBIED) for ejecting IEDs from the trunk of a vehicle. It consists of two containers: a tamper and a projectile, which are fitted together, sandwiching the explosive charge. The projected water penetrates the floor or sides of vehicles and ejects and disrupts bombs or explosive materials without causing their initiation. The tool is provided empty and is loaded with explosive and water by the user.



◀ ALFORD BOTTLER

The Bottler is a family of water-jacketed Omni-directional disruptors that are economical and simple to deploy. They may be used as omni-directional disruptors for thin-walled targets when placed next to suspect objects or in the cabin of vehicles and VBIEDs for disrupting suspect devices on the seat or in the foot-well. Available in two types: the standard Bottler™ and the Bottler™ Lite for smaller explosive loads and more precise explosive effects. Both the standard Bottler™ and Bottler Lite™ are available in 0.25l, 0.5l and 1 liter sizes.



◀ ALFORD BREACHER'S BOOT

The Breacher's Boot is a water tamped charge used to kick in steel, uPVC and wooden doors. It is a highly versatile charge that allows the operator to use it against a wide range of targets by simply adjusting the explosive load and number of charges used. Designed for optimal performance and ergonomics, consistency, simplicity, low NEQ, ease of use, size and weight were the primary considerations. As such, the Breacher's Boot™ takes the improvisation out of door breaching, finally giving operators the ideal tool for the job.



ALFORD DEMIMOD

The DemiMod™ is a lightweight, explosively driven, water disruptor for use against small to medium sized IEDs. The loaded charge weighs less than 1 pound, and gives an equivalent disruption to that of a Pan Disruptor or PigStick. The DemiMod™ produces a shaped charge using sheet explosive or detonating cord as the propellant and water as the projectile. Each module consists of two containers: a tamper and a projectile, which sandwich the explosive charge. Endcaps hold the elements together and allow separate modules to be joined side-by-side or end-to-end. Rover stands are also available.



ALFORD DIOPLEX

Dioplex™ is an aluminum-bodied linear-cutting charge used to cut steel plate or structural components and concrete which contains rebar. Used by the military and in the demolition industry around the world, Dioplex is a powerful explosive cutting tool. Dioplex charges are assembled from pre-formed lengths of extruded aluminum, with a copper liner factory fitted and sealed in place. Charges can be cut to the desired length or used as provided and filled with plastic explosive by the user. The end-caps provided fit firmly onto the ends of the charge cases containing the explosive.



ALFORD GATECRASHER

The Gatecrasher is the original water-tamped wall breaching charge which has unrivaled versatility and performance which produces man-sized holes in walls up to 50cm (20 inches) thick. The Gatecrasher™ is unique in that it may be loaded with detonating cord, plastic explosive, or sheet explosive allowing it to be used against a huge range of target types. The power of the explosive is effectively multiplied by the water tamping of the charge reducing the net explosive quantity required for a successful breach.



ALFORD MINIMOD

The MiniMod™ Mk2 is a lightweight, explosively driven, water disruptor for use against small to medium sized IEDs. It shares the same essential features as the entire "Mod" family of disruptors, including the larger Boot Banger and MLVD™ and is ideal for disrupting IEDs ranging in size from a brief-case up to a large suitcase or even an animal carcass. The MiniMod produces a blade-like jet of water with a higher probability of striking and destroying the initiation system of a target whose location is not precisely known.



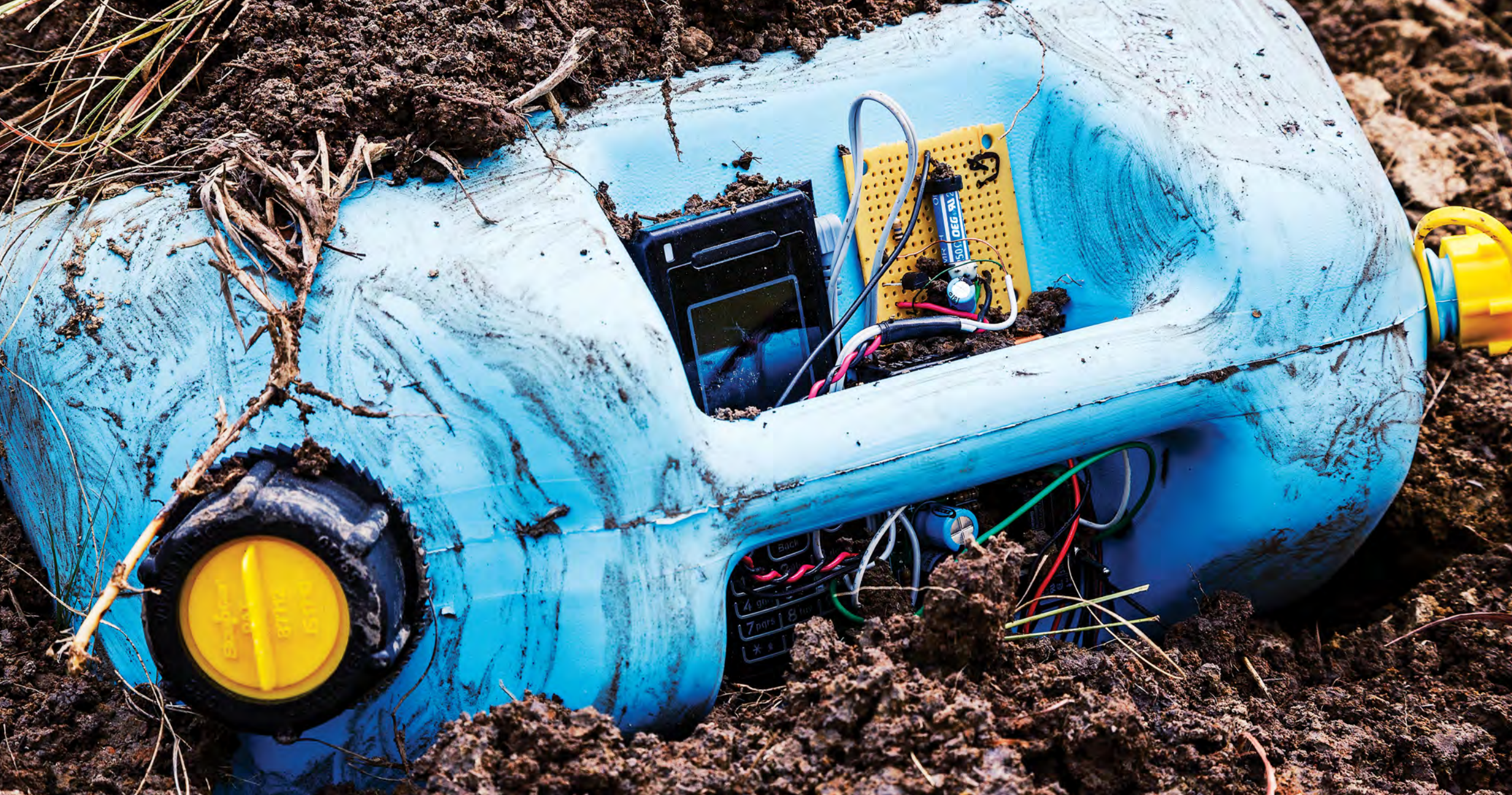
ALFORD MLVD

The Modular Large Vehicle Disruptor Mk2 is a modular water disruptor for use against Vehicle Borne IEDs (VBIED). The MLVD projects water jets horizontally with such force that the side of a vehicle is penetrated and the bomb is ejected through the opposite side. MLVD can be loaded with detonating cord as well as sheet explosive depending upon the desired explosive effect.



ALFORD VULCAN

The Vulcan™ is a highly versatile, user-filled, modular shaped charge system which is in wide service around the world. The Vulcan can be used for a range of tasks including low-order disruption, deliberate ordnance detonation and trepanning for inspection and is suitable for both land and underwater use.



IED INERT TRAINING AIDS

◀ International Device

DESCRIPTION

Tactical Electronics designs every training aid to improve and enhance the skill set of Explosive Ordnance Disposal (EOD) Operators. We custom build our training aids to mimic real world Improvised Explosive Devices (IEDs) with unmatched realism. The terrorist threat is in a constant state of evolution, rapidly adapting to counter the EOD Operator's tactics, techniques, and procedures. Our training aid design team constantly evaluates terrorist trends to develop some of the most authentic training aids available. Tactical Electronics' training aids will equip the EOD Operator with the critical analytical processes and skills to counter the most effective weapon used against our forces.

CATEGORIES:

- BOOBY TRAP DEVICES
- CHEMICAL / BIOLOGICAL / RADIOLOGICAL DEVICES
- IMPROVISED EXPLOSIVE DEVICE (IED) KITS
- DOMESTIC DEVICES
- HOSTAGE DEVICES
- INTERNATIONAL DEVICES
- REPLICAS DEVICES
- VEHICLE BORNE DEVICES
- CUSTOM BUILT DEVICES

LOG IN:

VISIT TACTICALELECTRONICS.COM TO VIEW OUR TRAINING AIDS ONLINE



IED INERT TRAINING AIDS

◀ CBR Device

SUITCASE DISPERSAL

A suitcase housing a small pressurized container initiated by either a cell phone, automotive alarm system vibration switch, or timer. The cell phone provides the ability for command initiation via a DTMF board or to utilize the internal alarm clock and provide a time penalty as well. The contents of the pressure vessel are restrained by a solenoid.

FEATURES:

- Radiography device with interpretation layout
- Time, command, and victim operated threats
- Anti-disturbance manual neutralization target
- Variable sensitivity vibration sensor
- Conduct precision aim render safe procedure
- Solenoid provides target for manual diagnostics



◀ BOOBY TRAP DEVICES

Tactical Electronics' booby trap training aids will test and tune an operator's ability to recognize and address concealed anti-personnel, area denial, or assassination device hazards. These training aids represent a variety of devices designed to protect clandestine operations such as drug and explosive labs, terrorist bomb building facilities, or hideouts.



◀ CHEMICAL / BIOLOGICAL / RADIOLOGICAL DEVICES

CBR training aids focus on several threats unique to the CBR mission. Operators will be faced with the complexities of diagnosing electric valves, pressure vessels, actuation motors, and dispersal ports while wearing protective equipment. Our fully functional CBR training aids are designed to dynamically disperse either a liquid or powdered agent upon being triggered. These devices will test every operator's analytical & diagnostic skills beyond the challenges of a standard explosive hazard.



◀ IMPROVISED EXPLOSIVE DEVICE (IED) KITS

Our IED kits are thoughtfully planned deployable IED labs, ideal for training on the go or in down time on deployments. They are organized in hard cases and include a number of theater specific (Operation Enduring Freedom, Maritime Interdiction Operations, etc.) IEDs and hazards. These kits also include rugged, high quality tools needed to maintain and rebuild the training aids and replacements for commonly consumed parts.



IED INERT TRAINING AIDS

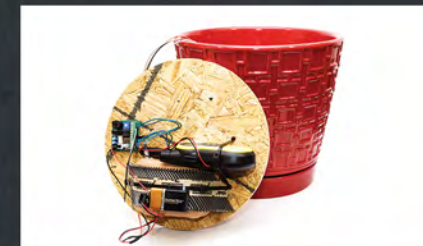
◀ Replica Device

PRESSURE COOKER

The Pressure Cooker training aid is designed as a variant of the devices used at the Boston Marathon bombing. Triggers include a timer and a normally closed contact switch on the lid as an anti-open trigger. This device leverages Tactical Electronics' proprietary MicroAXE© circuitry to enhance the training experience by providing tonal feedback and an automatic rearm.

FEATURES:

- MicroAXE© circuitry
- Safe separation arming and tonal feedback
- Multiple triggers
- Rearms automatically
- Heavy stainless steel container
- Backpack contained



◀ DOMESTIC DEVICES

Tactical Electronics' Domestic Devices are designed to support stateside / law enforcement training. These training aids are designed using "off the shelf" technology, penalties, and packaging representative of what is readily available to the domestic terrorist. Complexity ranges from simple mechanical trigger mechanisms to sophisticated hobbyist and commercial grade electronics and sensors.



◀ HOSTAGE DEVICES

Tactical Electronics' hostage devices will challenge, validate, and enhance an operator's skills in dealing with a "Category A" situation. We deliver hostage devices ranging in complexity from the most simple "home grown" device, to real world inspired terror attacks, to the most challenging "Hollywood" level of difficulty. These devices can be used with rescue mannequins or live role players.



◀ INTERNATIONAL DEVICES

Tactical Electronics' international training devices accurately represent hazards military operators face in current engagements. These devices are based on tactics, technology, and materials commonly used by insurgents, but designed with utmost reliability in mind for the best training value. We are committed to producing the best IED training aids to prepare our troops for deployment.



IED INERT TRAINING AIDS

◀ VBIED / International

DTMF / SUICIDE VBIED

This device is provided as the main components of a VBIED. It includes a hardwired suicide switch, a remote power unit, a main charge of simulated HME, and a cellular command detonator using DTMF in the event the driver gets "cold feet." We have designed this device for ease of installation in the vehicle of your choice. It includes Tactical Electronics' proprietary MicroAXE® IED circuitry to enhance the training value. It is an ideal visual aid for first responders and an effective, functional device for any manual neutralization exercise.

FEATURES:

- MicroAXE® circuitry
- Cellular phone with DTMF trigger
- Suicide command switch
- Rearms automatically



◀ REPLICA DEVICES

Tactical Electronics' Replica Devices accurately mimic historical real-world devices. These devices are based on tactics, technology, and materials seen in real-world scenarios. Tactical Electronics designs every training aid to improve and enhance the skill set of Explosive Ordnance Disposal (EOD) Operators. We custom build our training aids to mimic real world Improvised Explosive Devices (IEDs) with unmatched realism.



◀ VEHICLE BORNE DEVICES

The VBIED is one of the most dangerous threats facing all operators in domestic and in theater operations. The capability to inflict massive amounts of damage in a difficult to detect delivery package has made this a weapon of choice for terrorists. Vehicle borne IEDs represent a unique and essential training value by teaching the operator how to access the vehicle compartments in a manner least likely to cause a detonation. Our VBIED training aids are available as kits, sans vehicle, or as a complete turnkey package.



◀ MicroAXE® & MegaAXE® CIRCUITS

Our proprietary MicroAXE® and MegaAXE® circuits are implemented into our training aids to greatly increase training value. This circuitry provides tonal chirp sequence feedback in the event that the training aid is triggered. The chirp codes indicate what caused the training aid to function. The circuits will then rearm automatically, allowing the exercise to continue. The MicroAXE® and MegaAXE® feature microcontroller architecture, arming status countdown, auto 1.5min safe separation, inputs for common triggering devices, and an output for electric match penalty.



TRAINING COURSES & SERVICES

Custom Training Programs

From our beginning in 1999, Tactical Electronics has been serving all levels of both domestic and international government clients and is widely regarded as the industry leader for Explosive Ordnance Disposal (EOD) instructional programs. Currently, Tactical Electronics provides the Special Operations Commands, the Department of Defense (DoD), the Federal Bureau of Investigation (FBI), and State/Local Law Enforcement Agencies (LEAs) with an unprecedented level of technical and tactical expertise through the development and delivery of specialized training.

Tactical Electronics' advanced Improvised Explosive Device (IED) disablement curriculum is consistent with current United States and United Kingdom Special Mission Unit (SMU) IED defeat procedures and Special Operations Forces (SOF) operating procedures. We are positioned both professionally and technically to provide the finest advanced Counter-IED/EOD training available.

Our team of instructors consists of subject matter experts and professionals from the United States DoD and United Kingdom who are intimately familiar with all aspects of EOD render safe operations. Our cadre represents in excess of 180 years of professional experience. Specific experience includes assignments as EOD team leaders with elite United States and United Kingdom special operations units. Members of our team have completed numerous combat tours in Afghanistan, Bosnia, Iraq, Kosovo, and North Africa.

Additionally, our instructors have served as team leaders of foreign and domestic WMD response teams and are regarded as leading advisors on the defeat of WMD. This wealth of experience allows us to speed the delivery of credible operational knowledge and instruction to ensure our diverse set of clients complete their mission objectives and enhance their operational capabilities.

TRAINING PROGRAMS

Tactical Electronics has a special interest in providing the Operator with an aggressive professional training regimen in order to succeed in any mission space. We develop and deliver custom training programs specialized to meet each individual client's requirements. These programs are designed to improve and enhance the capabilities of military and law enforcement professionals by facilitating the technical development and functional transition of the Operator into a non-linear thinker, capable of immediately assuming any position within their organizational element.

CUSTOM TRAINING SUPPORT

Tactical Electronics offers a full custom training course design, development, and execution service. In today's rapidly changing threat climate, "canned" courses can only provide a certain level of operational development and improvement. Tactical Electronics provides custom training solutions to meet specific threats, training objectives, or to remedy identified operational limitations. Our staff has years of experience conducting training needs analysis and developing custom solutions to meet our diverse customer objectives. Tactical Electronics will assign a Subject Matter Expert (SME) in the required mission space to design, develop, and execute a custom training solution.

In addition to the training programs, Tactical Electronics also provides an experienced staff to support any level of training and/or exercise event. The following is a sample of support that can be provided by Tactical Electronics:

TRAINING DEVICE SUPPORT: Custom development, design, and manufacture of training devices to meet your specific objectives. From simple IED's and booby traps through complex CBRN training aids to clandestine laboratories Tactical Electronics can facilitate realistic training and scene setting materials, with associated challenging materials as required. Provided along with an experienced instructor or training support specialist, Tactical Electronics can meet your training aid needs.

ROLE PLAYER SUPPORT: Tactical Electronics can provide personnel to support training events and act in accordance with an assigned role. Said personnel will be prepared to, as required, improvise realistic scenario driven behavior to provide the most realistic training environment possible. Role players can represent victims, hostages, opposing forces, witnesses, or partner forces – realistically prepared / equipped and with accurate scripting prepared.

EXERCISE FACILITATION: Provision of highly experienced and motivated personnel to aid/assist in the planning, coordination, and execution of training exercises. Said personnel will have extensive exercise planning, subject-matter expertise, client familiarity, and security clearances to support any level of training event. Tactical Electronics can provide, but not be limited to; event coordination, scripting, scenario development, logistics, role players, training devices, venue establishment / control, and after-action reviews and debriefs (where appropriate and requested).



IED ELECTRONICS & CIRCUIT DIAGNOSTICS TRAINING

Improvised Explosive Devices have become the terrorists' low-cost weapon of choice. IEDs will continue to be a threat throughout the world and will grow in sophistication and frequency largely due to the extensive variety of electrical options available for device design and construction.

Tactical Electronics' IED Electronics & Circuit Diagnostics Training is designed to provide EOD Operators with a thorough understanding of electronics and diagnostic methods associated with IEDs. The focal points of this training encompass building the skills and knowledge necessary to assess IED circuitry and determine the safest method of prosecution. Attendees will participate in limited classroom study and maximum hands-on practical application that provide the skills necessary to build, diagnose, and prosecute circuits.

TRAINING TOPICS:

- Electrical Theory & Physics w/ Counter IED (C-IED) Applicability (Ohm's Law/Kirchhoff's Laws)
- IED Electronic Components
- Basic & Sophisticated Circuits
- Resistor-Capacitor Timing Circuits (RC Circuits)
- Practical Circuit Construction, Soldering, Breadboard Prototyping and Etching
- Circuit Troubleshooting
- Electro-Mechanical Devices (IED Application of DC Relays & Collapsing Circuits)
- Circuit Analysis
- Proper Diagnostic Procedures
- IED Component Diagnostics (Detonator/Switch/Solenoid Diagnostics)
- Tactics, Techniques, and Procedure (TTP) Development via Practical Exercises
 - IED Circuit Diagnostics
 - Circuit Defeat

COURSE DELIVERABLES:

Electronics Kit
Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Military EOD Operators or HDS
Certified Bomb Technicians

COURSE DURATION:

5 Days (40 hours)

PREREQUISITES:

None



MANUAL NEUTRALIZATION TRAINING

In certain situations, EOD Operators may encounter Improvised Explosives Devices that cannot be addressed by remote/conventional EOD means. When these situations exist, the employment of manual EOD techniques is essential in successfully accomplishing the mission. Safety, success, and survivability are greatly enhanced when the EOD Operator possesses and confidently executes these advanced Manual render safe skills.

MANUAL DEFEAT + ALARM DEFEAT + VEHICLE DEFEAT:

Tactical Electronics can deliver a scalable and custom structured training program to deliver world class level Manual Render Safe Training. Manual Neutralization Techniques (MNT) training can be broken down into three major categories; Manual Defeat Training, Alarm Defeat Training, and Vehicle Defeat Training. Our MNT training provides EOD Operators the critical entry skills to conduct manual render safe procedures on a device that cannot be remotely resolved using the most relevant and technically proficient techniques to defeat devices that fall into the “Category A” or Novel Payload description.

Attendees will familiarize themselves with IED Threat Assessment, radiography, hostage handling, and the manual access tools and diagnostic techniques required to safely access and prosecute “Category A” IEDs in any given environment or situation. Attendees will participate in classroom study and practical exercises teaching proper tool selection, techniques, and discipline against a variety of materials and threats.

Advanced Neutralization Techniques Training provides Operators a working knowledge of the operation, installation, diagnostics, and the prosecution/bypass of intrusion detection systems. Attendees will participate in classroom study, work on table-top IED training aids, intrusion detection system training aids, and participate in a multitude of practical exercises specifically developed to refine the EOD Operators’ render safe TTPs for intrusion detection systems.

Tactical Electronics’ Vehicle Access & Alarm Defeat Training highlights the threats and risks associated with the prosecution of suspect VBIEDs and provides a venue for the development of render safe procedures unique to VBIEDs. Tactical Electronics’ knowledge of vehicle electrical and security systems is unsurpassed in the industry.

MANUAL DEFEAT TRAINING TOPICS:

- Manual Techniques Philosophy
- UK Based IED Threat Assessment
- IED Stabilization Techniques
- EOD Tool Selection & Employment Considerations
- Circuit, Switch & Detonator Diagnostics
- “Category A” IEDs & Hostage Handling
- Advanced Radiography Techniques & Interpretation:
 - X-Ray Hazards & Theory
 - X-Ray Equipment
 - X-Ray Media
 - Radiography Techniques - XTK®

ALARM DEFEAT TRAINING TOPICS:

- Residential Alarm Systems & Sensors
- Commercial Alarm Systems & Sensors
- Nonconventional use of Alarm Systems in IEDs
- Identification, Evaluation, & Sensor Prosecution TTPs
- Commercial Alarms & Sensor Defeat TTPs (Complex IEDs)

VEHICLE DEFEAT TOPICS:

- Vehicle Security Systems & Sensor Types, Sensor Capabilities, & Vulnerabilities
- Vehicle Security Systems & Vehicle Security System Installation Procedures
- Integration of Vehicle Security Systems into VBIEDs
- Vehicle Access Methodologies
- VBIED Stabilization & Exploitation
- “Category A” VBIED Render Safe TTPs

COURSE DELIVERABLES:

Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Military EOD, K-9, Intelligence, and SOF Operators or Hazardous Devices School (HDS) Certified Bomb Technicians

COURSE DURATION:

5 Days (40 hours)

PREREQUISITES:

None

X-RAY TOOLKIT™ OPERATORS TRAINING

The continued proliferation and sophistication of terrorists' use of IEDs requires EOD Operators to be prepared to render safe or disrupt IEDs in-place, regardless of the environment. When these circumstances exist, the employment of Sandia National Laboratories' X-Ray Toolkit™ (XTK®) enables the EOD Operator to render an IED non-functional by rapidly separating or destroying its firing circuit and/or its explosive payload.

Tactical Electronics is licensed by Sandia National Laboratories to provide X-Ray Toolkit™ (XTK®) training. Tactical Electronics' XTK® Operators Training is designed to provide the knowledge and skills necessary for an EOD Operator to effectively utilize the XTK® software to acquire, process, and analyze X-Rays during an IED incident. Attendees will participate in classroom lectures and practical labs designed to enhance their understanding of how IEDs function and practical exercises focusing on the identification of an array of IED components and triggering mechanisms.

XTK® is a radiograph acquisition and processing program designed specifically for EOD technicians. When used in conjunction with Sandia's targeting and aiming kits, XTK® can also be used to perform precision disruptions.

(<https://xraytoolkit.com/Default.aspx>)

TRAINING TOPICS:

- X-Ray Hazards & Theory
- X-Ray Equipment
- X-Ray Media
- Radiography Techniques
- XTK® Software Orientation
- X-Ray Planning with Dose Calculator
- IED Components & Key Component Positioning
- Precision Aim Fundamentals & Grid Aiming Concept
- Precision Disruption Live-Fire Practical Exercises **

** Optionally, Tactical Electronics can include Precision Disruption Live-Fire Practical Exercises and employment of the Grid Aim System.

COURSE DELIVERABLES:

XTK® 3.0 Software (via SNL)
Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Sworn Law Enforcement and Military Personnel (as authorized by Sandia National Labs)

COURSE DURATION:

2 Days (16 hours) or
3 Days (24 hours)

PREREQUISITES:

Radiography Equipment (X-Ray Generator, X-Ray Processor, Laptop Computer(s))



IED AND EXPLOSIVES AWARENESS TRAINING

Extremist and terrorist employment of Improvised Explosive Devices (IEDs) has increased the importance of a First Responder's working knowledge of explosives and explosive devices. As the name implies, First Responders are simultaneously the personnel most threatened by and best positioned to identify IEDs.

Tactical Electronics' IED & Explosives Awareness Training is designed to provide the knowledge and skills for First Responders to not only identify potential explosive threats, but identify the key components critical for assisting in the determination of appropriate response procedures. Attendees will participate in classroom lectures and practical labs designed to enhance their understanding of how IEDs function and practical exercises focusing on the identification of an array of IEDs, their components, and triggering mechanisms.

TRAINING TOPICS:

- Energetic Material Orientation & Terminology
- Classification of Explosives & the Stimuli to Which They Respond
- Types of Explosives & Their Methods of Initiation
- IED & Booby-Trap Recognition
- Homemade Explosives (HME) Orientation:
 - Precursor Chemicals
 - Manufacturing Equipment
- Blast Pathology
- IED Manufacture Practical Exercise
- IED / Suspicious Package Practical Exercise

COURSE DELIVERABLES:

Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Military & Sworn Law Enforcement
Officers

COURSE DURATION:

2 Days (16 hours)

PREREQUISITES:

Current Certification as First
Responders

TACTICAL BOMB TECHNICIAN TRAINING

In modern tactical enforcement operations Improvised Explosive Devices (IEDs) have become a known and persistent threat. A Tactical Team's success is reliant on the ability of its Tactical Bomb Technician to rapidly mitigate booby-trap and IED threats that impede its ability to maneuver.

Tactical Electronics' Tactical Bomb Technician Training focuses solely on the Tactical Bomb Technician. Training prepares Tactical Bomb Technicians to operate in high-risk environments and improves their abilities to assess, then respond to IEDs that threaten tactical success. Training addresses the priorities, principles, practical skill sets, and thought methodologies that allow the Tactical Bomb Technician to rapidly mitigate and reduce the IED threat while maintaining the highest level of team and public safety. Tactical Bomb Technician Training provides a venue for the development of specialized skills, and covert/ dynamic mitigation and/ or render safe tactics techniques and procedures (TTPs) derived directly from our cadre's operational experiences with US/ UK Counter Terrorism units. Attendees will participate in classroom study, practical exercises, and situational training exercises (STXs) intended to reinforce operational principles, enhance specialized skill sets, exercise operational planning for tactical operations, and maintain the momentum of a tactical team.

As an ATF Type 20 FEL and ATF Type 07 FFL (02 SOT) holder for the manufacture of explosives and firearms, we are certified at the Federal, State, and Local Level for the manufacture and storage of explosives and firearms. Our Virginia and Oklahoma training locations also hold explosives / firearms inventory and maintain range facilities to support in depth course delivery. We possess a comprehensive armory for customer usage including SBR / Suppressed weapons systems, blue bolt / Simunition capability, OPFOR weapons, non-conventional weapons, long range precision firearms, breaching shotguns, and full armory service.

TRAINING TOPICS:

- Threat Assessment & Mission Planning
- Equipment Preparation, Prioritization, & Load-Out
- Suicide / PBIED Response
- IED Component Diagnostics
- Integrating with the Assault Force
- "Tactical Scene Handover" to Follow on EOD Assets
- Immediate Actions:
 - Covert Mitigation / Render Safe TTPs
 - Dynamic Mitigation / Render Safe TTPs
- "Category A" Incidents & Hostage Handling

COURSE DELIVERABLES:

Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Military EOD Operators or HDS
Certified Bomb Technicians

COURSE DURATION:

5 Days (40 hours)

PREREQUISITES:

None

HOMEMADE EXPLOSIVES AND CHEMICAL PRECURSORS TRAINING

Extremists and Extremist Groups throughout the world are continually in search of new methods and means to obtain explosive materials. As nation states have improved their abilities to regulate and control military and commercial grade explosives, extremists have increased their reliance on Homemade Explosives (HME). HMEs are inexpensive and easily manufactured. Their use has led to an urgent need to prepare Law Enforcement / EOD / K9 / Intelligence & SOF Operators to recognize HME, the precursor chemicals, the manufacturing processes, and the equipment used in its production.

Tactical Electronics' HME and Chemical Precursors Training provides a thorough understanding of the varying types of HME and their associated precursors. This course emphasizes a hands-on approach, where EOD / K9 / Intelligence & SOF Operators perform the refinement, concentration, combination, manufacture and/or dilution of precursor chemicals commonly or commercially available in targeted operational environments. Attendees will construct the physical processing equipment and manufacture a wide array of homemade explosives in a safe and informative environment. Students will participate in classroom study, HME Labs and practical range exercises under the supervision of qualified HME instructors.

As an ATF Type 20 FEL holder for the manufacture of explosives we are certified at the Federal, State, and Local levels for the manufacture of explosives. Our Virginia and Oklahoma training locations also hold explosive inventory and maintain range facilities to support in depth HME course delivery.

TRAINING TOPICS:

- Introduction to HME
- Precursor Chemical Identification, Recognition, & Uses
- Lab Safety
- Practical HME Production (List Available Upon Request)
- Improvised Initiators (Client Observation)
 - Electric / Non-electric
 - Time Fuse
- HME Detection & Identification (Student Provided Equipment)
- Sensitivity Testing (Impact, Friction, Heat)
- Desensitizing / Neutralization
- TTP Development via Practical Exercises
- Situational Training Exercises

TRAINING TEAM:

Tactical Electronics' HME and Chemical Precursors Training Team includes some of the industry's most experienced, suitably qualified, instructor cadre and the finest manufacturers of proprietary HME Training TTPs. Our training team currently provides HME training to national level intelligence organizations, EOD / K9 / Intelligence & SOF Operators, and a multitude of Law Enforcement Agencies. Our combined past performance includes EOD, CBRNE and SSE training and operational support to national and defense intelligence agencies, SOF, Conventional Forces, and federal law enforcement.

COURSE DELIVERABLES:

Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Military EOD, K9, Intelligence, SOF Operators or HDS Certified Bomb Technicians

COURSE DURATION:

5 Days (40 hours)

PREREQUISITES:

None



CHEMICAL AND BIOLOGICAL THREAT REFRESHER TRAINING

As the likelihood of a terrorism-related employment of Chemical and/or Biological (CB) Agents increases, so does the requirement for the EOD Operators most likely to be charged with the disablement of a suspected dispersal device and/or mitigation of the potential effect of the weapon.

Tactical Electronics' Chemical and Biological Threat Refresher Training focuses on the reinforcement and/or expansion of the EOD Operators understanding of CB Agents and preparing them to successfully and safely resolve a CB incident. This training emphasizes a hands-on approach, where attendees receive an in-depth background knowledge on CB materials and the hazards they present. In laboratory practicum and Situational Training Exercises (STX), EOD Operators will exercise the use of suitable Detection, Identification, and Monitoring (DIMS) equipment, the use of the most suitable Personal Protective Equipment (PPE), contamination control and decontamination procedures, the employment of target mitigation techniques, CB device render safe considerations (Emergency Disablement Option (EDO) or Deliberate Disablement Option (DDO)), and EOD task management. This training reinforces the skills learned in Tactical Electronics' Manual Neutralization Techniques Training.

TRAINING TOPICS:

- Chemical Agent Overview:
 - Toxins
 - Toxic Industrial Chemicals (TICs)
 - Toxic Organic Chemicals (TOCs)
 - Chemical Warfare Agents (CWAs)
- Chemical DIMS Refresher
- Chemical IPE / PPE & Decontamination Refresher
- IPE / PPE Chemical DIMS Mini Tasks
- Improvised Chemical Lab Overview
- Chemical Lab Sampling Techniques
 - Practical Exercise(s)
- EOD Equipment Employment:
 - Tool Management
 - Contamination Control
 - EDO & DDO Employment
 - Device Radiography
- Biological Agent Overview:
 - Anthrax
 - Brucellosis
 - Hemorrhagic Fever
 - Cholera
- Other Biological Agents of Interest
 - Improvised Biological Lab Overview
 - Chemical & Biological Threat Practical Exercises

COURSE DELIVERABLES:

Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Military EOD Operators or HDS
Certified Bomb Technicians

COURSE DURATION:

5 Days (40 hours)

PREREQUISITES:

None

EXPEDITIONARY SENSITIVE SITE EXPLOITATION TRAINING (SSE)

Tactical Electronics' (5 day) Expeditionary Sensitive Site Exploitation Training provides a foundational SSE curriculum: SSE team organization, responsibilities, and preparation. Additionally, attendees will be introduced to human battlefield biometrics collection TTPs to include the collection of both latent fingerprints and DNA. Attendees will learn and master fundamental SSE TTPs, learn a myriad of sampling and collection skills, and learn how to effectively function as a member of a site exploitation team. Instruction includes lectures, demonstration, hands-on realistic interactive situational training exercises (STXs).

Tactical Electronics' (10 day) Advanced Expeditionary Sensitive Site Exploitation Training provides an expanded SSE curriculum that includes a scientifically sound but practical introduction to Biological Weapons, Chemical Weapons, Homemade Explosives (HME), and exploitation of facilities associated with the same. Attendees will become familiar with manufacturing processes, the precursors, and pathways most likely to be encountered, and perform sensitive site exploitation during situational training exercises (STXs). This methodology provides students with the ability to practice and gain confidence sampling actual materials, analyzing actual samples with unit instrumentation, and recognizing those production processes most relevant to their mission in a safe learning environment. Instruction includes lecture, demonstration, hands-on, intense and realistic full mission profile interactive STXs.

TRAINING TOPICS:

- SSE Missions & Team Composition
 - EOD Operator's Role in Joint / Interagency SSE
 - Methods of Exploitation / Intelligence Collection
 - Post-Blast Forensics
 - SSE Team Management & Preparation of SSE Team Augments **
 - Manufacture in Practicum **
 - Chemical, Biological, & HME Weapon Production Signatures **
 - Weapons Technical Intelligence Familiarization **
 - TTP Refinement via Full-Mission Profile STXs **
 - TTP Development via Practical Exercises:
 - Conduct of SSE & Full Exploitation
 - HME & Precursor Sampling & Testing
 - Marking & Photography of Rooms
 - Basic Tactical Questioning
 - Biometrics Collection
 - Documentation, Sketching, & Other Mission Specific SSE Reporting
- ** Denotes Topics Addressed in 10 Day Training

TRAINING TEAM:

Tactical Electronics' SSE Training Team includes some of the industry's most experienced instructor cadre and the finest manufacturers of proprietary SSE TTPs. Our training team currently provides SSE training to national level intelligence organizations, EOD / SOF Operators and a multitude of Law Enforcement Agencies. Our combined past performance includes EOD, CBRNE, SSE training, and operational support to national and defense intelligence agencies, SOF, Conventional Forces, and federal law enforcement.

COURSE DELIVERABLES:

Printed Course Reference Material
Course Certificate

COURSE AVAILABILITY:

Military EOD, Intelligence, or
SOF Operators

COURSE DURATION:

5 Days (40 hours) or
10 Days (80 hours)

PREREQUISITES:

None

TRAINING SERVICES

Tactical Electronics offers a broad array of customized tactical training services designed to support the unique training requirements of our specialized clients. These services range from the provision of custom training packages to the development and execution of discreet, full mission profile training events. Our goal is to challenge the Tactical Operator to learn and apply advanced technical concepts in the classroom and apply them in realistic operational environments.

Tactical Electronics' CTR, CMOE Training programs are custom designed to meet the training requirements of the requesting organization. Our Close Target Reconnaissance (CTR) / Covert Methods of Entry (CMOE) includes some of the industry's most experienced instructor cadre and the finest manufacturers of proprietary CMOE tools. Our team's proven methodologies are presented via adult learning theory. Significant emphasis is placed on hands-on learning through small scale practical exercises.

CLOSE TARGET RECONNAISSANCE (CTR) TRAINING SERVICES

Tactical Electronics' CTR Training provides familiarization and training on the TTPs of close target reconnaissance. CTR Training focuses on the development/refinement of TTPs to identify, assess, select, and exploit the structural vulnerabilities of the various types of residential and commercial structures. Development of pattern of life assessment to determine window of opportunity and the skills to exploit the assessed window to achieve mission success.

COVERT METHODS OF ENTRY (CMOE) TRAINING SERVICES

Tactical Electronics' CMOE Training provides attendees with the basic skills required to effectively plan for and operate as a member of a covert entry team with emphasis on team preservation. CMOE Training focuses on providing a working knowledge of various lock designs and proficiency with the employment of the basic/advanced tools and techniques to covertly manipulate and/or defeat locking mechanisms. CMOE Training includes detailed instruction and practical application of CMOE TTPs through situational training exercises specifically designed to reinforce the Operator's proficiency in the use of basic/advanced entry tools and improvised manipulation.

TACTICAL MARKSMANSHIP TRAINING SERVICES

Tactical Electronics offers a broad array of customized Tactical Marksmanship Training Programs designed to support the unique training requirements of our specialized clients. These services are designed to meet mission specific needs for already trained, experienced and mission focused groups. All packages are fully customized specifically designed to meet a client's organizational marksmanship training or certification requirements. We deliberately DO NOT offer canned / prepacked courses.

Tactical Electronics' Tactical Marksmanship Training Programs are designed to provide a mechanism to expand upon current abilities and improve on how to effectively balance speed and accuracy with proper weapon manipulation, adding mission specific skills and operationally proven techniques. Our instructors instill weapons confidence by challenging the client to develop, improve and apply proper weapon fundamentals, sound tactical weapons employment on a flat range, and apply them in realistic operational environments and Situational Training Exercises (STXs) to match specific unit mission sets. Training environments include flat range, dynamic environments, vehicles (static and mobile) explosive distractions, force on force, CQC, as well as combining breaching / EOD / role players as needed to meet a mission statement.

As an ATF Type 20 FEL and ATF Type 07 FFL (02 SOT) holder for the manufacture of explosives and firearms we are certified at the Federal, State, and Local Level for the manufacture and storage of explosives and firearms. Our Virginia and Oklahoma training locations also hold explosive / firearms inventory and maintain range facilities to support in depth course delivery. We possess a comprehensive armory for customer usage including SBR / Suppressed weapons systems, blue bolt / Simunition capability, OPFOR weapons, non-conventional weapons, long range precision firearms, breaching shotguns and full armory service.

TRAINING TEAM:

Tactical Electronics' Marksmanship Training Team includes experienced and certified instructors with National Rifle Association, Federal Law Enforcement, Local Law Enforcement, DoD, US Special Operations, and UK Special Operations backgrounds. Collectively, our instructor cadre brings 130+ years of tactical marksmanship training experience. Our team's proven marksmanship training methodologies are presented via adult learning theory. Significant emphasis is placed on hands-on learning through short duration, task oriented practical exercises.

THE RANCH TRAINING COMPLEX

Tactical Electronics is pleased to introduce our training complex, The RANCH. Located 30 minutes outside of Ardmore, Oklahoma, The RANCH offers several amenities for small or large training groups.

Easily access the facility by car or by plane, utilizing Dallas Fort Worth (DFW) or Oklahoma City (OKC) . Our goal is to ensure we provide you with the very best training and tools to complete your mission. Contact us today to discuss your custom training requirements. We hope to see you at The Ranch very soon.

The facility features over 10,000 acres of usable training space, onsite lodging, classrooms, known distance ranges, unknown distance ranges, explosive ranges, armory services, explosive storage capabilities. The on-site skills house is over 1,500 sq ft. and modular in design, allowing custom configuration for your specific training requirements.

Our modular container village / MOUT training sites are configurable to meet a mission set requirement, capable of supporting live fire / live explosives / breaching / Simunition / role players / small unit tactics and full mission profile support.

THE RANCH CAPABILITIES:

- Over 10,000 acres
- Live explosives up to 250lbs NEW as standard (higher with specific planning)
- ATF Type 20 Explosives License & Magazines on site
- On-site Lodging with full kitchen, facilities, & common areas
- Classroom with Wi-Fi & multiple planning spaces
- Known Distance Shooting Range [20 meters out to 800 meters]
- Unknown Distance Shooting out to 1 Mile
- Configurable Shoot House for CQC, Hostage Rescue, & assault support
- 1,200 sq. ft. high bay for gear / shipment storage
- Demolitions preparation area
- Missions planning spaces / classrooms
- Facility for Precursor & Chemical Storage
- Weapons Storage Facility / sensitive equipment storage

PHONE:

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(+1) 918 / 249 / 8326

LOCATION:

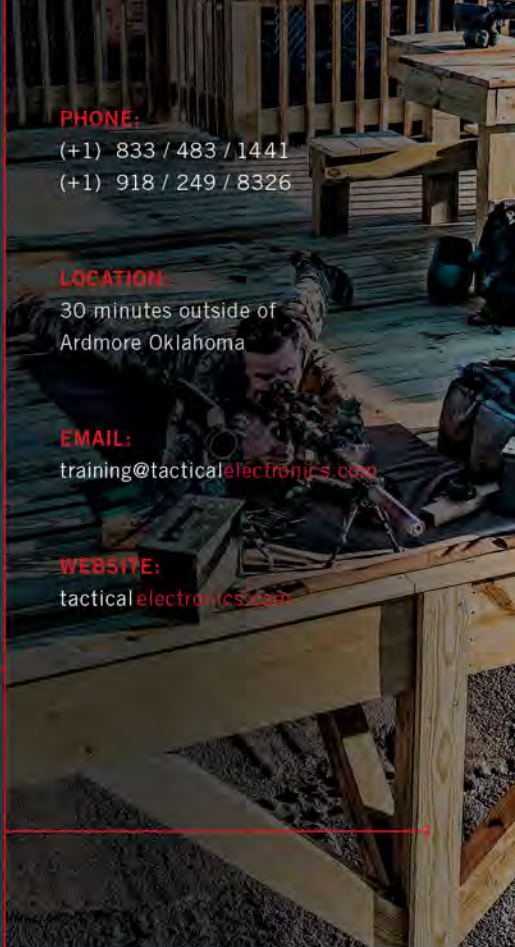
30 minutes outside of
Ardmore Oklahoma

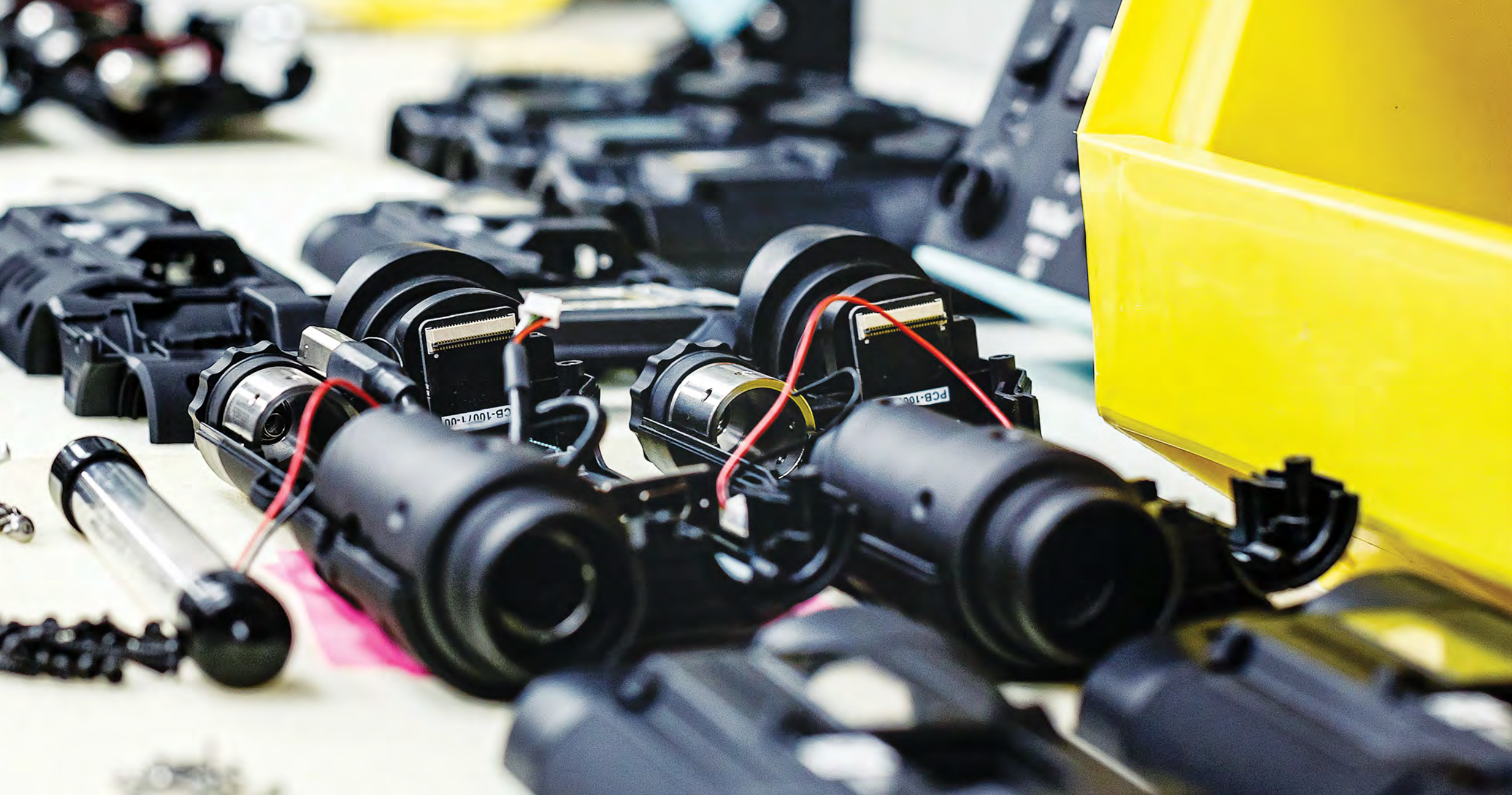
EMAIL:

training@tacticalelectronics.com

WEBSITE:

tacticalelectronics.com





ENGINEERING

◀ Internal Engineering Department

RESEARCH & DEVELOPMENT

Our Research & Development team at Tactical Electronics has one objective: provide unique solutions. We embrace the fluid nature of the research and development process, and we work hand-in-hand with our customers throughout each and every stage. Our in-house ability and talent allows us to be uniquely flexible, ensuring that changes are implemented efficiently and swiftly. Our adaptability ensures solutions are not only realized but constantly refined to meet our customers' evolving needs.

RAPID PROTOTYPING:

Tactical Electronics has in-house Mechanical, Electrical, and Software Engineers with over 120 years of combined experience in Research and Development and Product Design. State-of-the-art Computer-Aided Design (CAD) tools such as SolidWorks 3D Modeling and Altium Printed Circuit Board Design software are used jointly by Mechanical and Electrical Engineers in a collaborative design process that optimizes both form factor and system features. Our Software Engineers offer programming skills ranging from low-powered, bare-metal microcontrollers to complex embedded Linux running on Systems-on-Chip (SOCs); from mobile app development under either Android or iOS to web app development running in the cloud.

All of Tactical Electronics' prototypes and products are built in-house in our secure facility in Broken Arrow, OK by our Assembly Technicians. Once assembled, prototypes can move directly into an operational testing and feedback phase by involving our very own SMEs. This tightly connects our Engineering, Prototyping, Testing, and SME feedback into an efficient process that produces refined results quickly.

OUR ENGINEERING PROJECTS

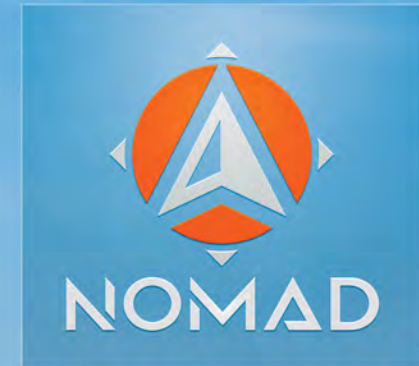
Tactical Electronics' full service capabilities have been employed in a wide array of projects: from High Definition Inspection Cameras for Explosive Ordnance Disposal (EOD) to a Remote-Controlled Full-Size Vehicle for Department of Defense (DoD) training; from an Autonomous Flame-Throwing Watercraft designed to help the largest energy companies clean up oil spills to a Cellular-Equipped Security Pager capable of remotely triggering a national convenience store chain's central alarm system within their stores.

✓ OIL & GAS

Tactical Electronics designed and developed a Remote Operated Surface Vehicle (ROSV) platform, the NOMAD, that offers numerous applications for remote sensor and surveillance technologies, aerial capabilities, and subsurface camera/sensor operations. For the oil and gas industry, we customized the NOMAD platform with the ability to be deployed from a helicopter to survey oil spills. Once deployed, the NOMAD autonomously begins to survey the site with GPS guidance and mapping software. Custom sensors record oil characteristics, push data, and real-time multi-spectral video via an enhanced maritime satellite system. The sensors and software algorithms map out optimized clean-up areas and provide direction to assist oil spill recovery teams.

With its numerous unique capabilities, the NOMAD platform opens the door to limitless application possibilities for remote sensor technologies, aerial surveillance capabilities, and subsurface camera/sensor operations.

- Remote operation from anywhere in the world
- Real-time data & multi-spectral video feed via an enhanced maritime satellite system
- Land, sea, and air launch capabilities
- VOC sensors
- Radar and Sonar technologies
- Above and below water cameras
- Tethered drone observation and sensor platform
- Active operations up to 800 miles without refueling
- Loiter operations over 5 days
- Speeds up to 50 mph





DEPARTMENT OF DEFENSE

Tactical Electronics has developed hundreds of cameras and tools for the Department of Defense. Most recently, we introduced our flagship line of tactical and EOD inspection cameras, CORE. This was the largest engineering effort to date and offers an unprecedented set of features to include: digital, encrypted HD video, camera head modularity, and thermal fusion technology. Mechanical design, circuit board layout, and software development ranging from embedded Linux to FPGAs to mobile app programming were all completed in-house.



COMMERCIAL SECURITY

A national convenience store chain partnered with Tactical Electronics to design a next-generation security device that equips store employees with a body worn security pager. Developed completely in-house by our expert team, this cutting-edge device connects off-site security personnel to each and every employee across the nation. Critical alerts such as panic, geofence, employee health, and more are transmitted directly from the body worn device to a central operations center allowing security personnel the ability to track the location and status of each employee as well as access audio and video through a web app written by Tactical Electronics' engineers. This technology allows for swift decision making by remote operators, often including life-saving actions.



AGRICULTURE

Through our partnership with the Oklahoma Center for Advancement of Science & Technology (OCAST), Tactical Electronics teamed up with the Noble Research Institute to create the BoarBuster, a cutting-edge feral hog trapping system that allows property owners to remotely drop a suspended trap via their smart phone. Tactical Electronics provided turn-key engineering for the product, designing the system hardware, firmware, mechanical housings, smart phone app, and website. Once the design was completed, we seamlessly shifted into manufacturing the electronics for the product and ensuring the webs service continues to run smoothly.



CORPORATE HEADQUARTERS

HEMLOCK FACILITY

DESIGN / ENGINEERING / PROTOTYPING
MANUFACTURING / PRODUCTION / R&D DEPARTMENT
TRAINING COMPLEX / IED FABRICATION LAB

HEMLOCK FACILITY

Tactical Electronics' headquarters is located in Broken Arrow, Oklahoma. Multiple divisions are located within the Hemlock Facility; Tactical Electronics' Products, Tactical Electronics' Training, Tactical Electronics' Research and Development, and Tactical Electronics' Engineering. The ability to house all these divisions under one roof has established Tactical Electronics as an industry leader with multiple internal capabilities.

Our internal R&D team includes Electrical, Mechanical, and Software Engineers along with 3D printers and CNC machines. These internal assets allow us to provide military and law enforcement agencies with rapid prototyping and product development.

HEMLOCK CAPABILITIES:

- Engineering
- Prototyping
- Manufacturing
- Production
- Research & Development
- CNC Machines
- 3D Printers
- IED Fabrication Lab
- Training Complex (Full Service)
- Type 02 Explosive Magazine
- Type 07 (02 SOT) FFL
- Type 20 FEL
- Armory
- Classroom: 25+ Attendees
- Complete Audio / Visual Capabilities
- Practical Training Areas

MANUFACTURING:

All products are machined and assembled at our Hemlock Facility. The machine shop includes the most advanced CNC Machines. Our team of machinists have over 100 years of combined experience in both CNC and manual machines in a diverse set of materials.

TRAINING COMPLEX:

The Training Complex at Hemlock provides complete on-site support for visiting units. Our facility provides a full-service classroom for briefings or instruction, an electronics lab for IED fabrication, and a secure internal training area for exercises which may demonstrate sensitive procedures.

IED FABRICATION LAB:

Our IED Fabrication Lab provides complete on-site support for visiting units. We custom build our training aids to mimic real world IEDs with unmatched realism. Our training aid design team constantly evaluates terrorist trends to develop some of the most authentic training aids available.

ENGINEERING / R&D SERVICES:

Our internal R&D team includes Electrical, Mechanical, and Software Engineers along with 3D printers, CNC machines, as well as MIL-STD-capable test equipment including a Temperature / Humidity Chamber and Electrostatic Discharge Table. These internal assets allow us to provide military and law enforcement agencies with rapid prototyping and product development.

PHONE:

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(+1) 918 / 249 / 8326

LOCATION:

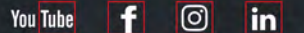
2200 North Hemlock Ave
Broken Arrow, OK / 74012

EMAIL:

govsales@tacticalelectronics.com

WEBSITE:

tacticalelectronics.com



CRUSADER FACILITY

Tactical Electronics' Crusader Facility in Virginia Beach, VA manages our training programs and services. Located just three hours from the Washington, DC metropolitan area and thirty minutes from the Norfolk International Airport, our Crusader Facility offers convenience and accessibility to east coast government, military, and law enforcement organizations. Crusader is a 20,000 sq. ft. facility that houses an electronics lab for in-house IED fabrication, a classroom with audio/visual capability, and a conference room with video teleconference connectivity. Crusader also includes an 11,600 sq. ft. indoor training complex containing an alarm defeat practice facility, realistic scenario mock-up rooms, student gear staging areas, and a second classroom.

CRUSADER CAPABILITIES:

- Training Complex
- Electronics Lab
- Alarm Defeat Practice Facility
- Staging Areas
- IED Fabrication
- Training Area: Alarm House (9,000 sq. ft.)
- Training Area: Townhouses
- Training Area: Open Terrain Areas
- Conference Room: 12 Attendees
- Classroom: 20+ Attendees
- High-Speed Internet Connectivity
- A Full Exercise & Work-Out (On-Site)
- Shower Facility (On-Site)
- Kitchen
- High-Bay Facility
- Complete Audio / Visual Capabilities
- Type 07 (02 SOT) FFL
- Type 20 FEL
- Type 02 Explosives Magazine
- Explosive Range (Off-Site)

CONTRACTED FACILITIES:

Through our network of partner corporations, Tactical Electronics can contract for a wide array of additional training facilities to suit client requirements:

- MOUT Facilities
- Light & Heavy Demo Ranges
- Rural Environments
- Weapons Ranges
- Commercial & Industrial Venues
- Modes of Commercial Transportation

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LOCATION:

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WEBSITE:

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 TRAINING HEADQUARTERS

CRUSADER FACILITY

TRAINING COMPLEX / SCENARIO MOCK-UP ROOMS
ALARM DEFEAT PRACTICE FACILITY / STAGING AREAS
OPEN TERRAIN TRAINING AREAS / IED FABRICATION

TRAINING EXPERIENCE:

Our instructors bring a wealth of experiences; allowing us to ensure our clients complete their objectives. Our training programs include a balance of classroom instruction, realistic scenarios, hands-on experiences, and practical events that increase Operators' skills.

ALARM DEFEAT COMPLEX:

Crusader provides a 5,800 sq ft indoor alarm defeat practice facility. This complex also houses 5,000 additional square feet for realistic scenario mock-up environments, multi-purpose training areas, and student gear staging areas.

OFF-SITE TRAINING:

Tactical Electronics maintains the ability to offer visiting units access to multiple off-site training facilities. We specialize in providing standard and unique training environments to meet each client's training objective.



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HEMLOCK FACILITY

2200 NORTH HEMLOCK AVE
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CRUSADER FACILITY

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