CALIBER® ROBOT
OPTIONAL FEATURES

CALIBER® T5 EOD / SWAT Robot

MK3 - CALIBER® EOD Robot
**CALIBER® Claw Attachment Kit** (P/N 10004)
The 2nd generation claw attachment kit includes specially designed tools to augment the capabilities of the CALIBER® T5 and MK3 robots. Kit includes: key holder, camera extension, box cutters, chemical sampler tube, clothes cutter, extension poles, tire deflator, window breaker, finger extension with porcelain tips, cutting hook, utility shears with ceramic blades, Cutabiner®, multiple effectors and hook & line accessories. *(Available for MK3 and T5)*

**Picture-In-Picture (CAL-PIP)**
Enhance situational awareness by adding Quad Screen Picture-In-Picture functionality to your CALIBER® robot. Simultaneously view any four of the CALIBER® Robot’s onboard cameras including the Pan-Tilt-Zoom (PTZ) Camera, Front and Rear IR Drive Cameras, Claw Camera, or Weapon Camera. Combined with the dedicated PTZ control stick, allowing for concurrent operation of the robot and PTZ Camera, the Picture-In-Picture capabilities of the CALIBER® Robot lets you stay on task while remaining aware of your surroundings. *(Available for MK3 and T5)*

**Arm Extension Kit (CAL-EXA)**
The CALIBER® T5 Telescoping Arm Extension Kit adds an additional dimension of utility to the T5 in its role as a small EOD / SWAT Robot. At a full reach of 105" (2.67 m), the Arm Extension can easily inspect overhead compartments on planes, trains, and buses or reach suspicious devices in spaces too narrow for the robot to reach. Combine the Telescoping Arm Extension Kit with our Claw Attachment Kit for a powerfully versatile EOD / SWAT tool. The quick disconnect connector allows you to attach the arm extension in less than 5 minutes. *(Available for T5 only)*

**CCU Stand (CAL-CCUST)**
Sturdy aluminum stand for Command and Control Unit (CCU). Foldable and lightweight for easy transportation and storage. *(Available for MK3 and T5)*
**Edge Tactical (BATS)** (CAL-BATS)
The Block Accessory Tool System (BATS) provides the robot user with a greater ease, speed, and versatility. The 6 Block Accessory Tool System’s contour design securely fits within the CALIBER®’s Claw and attaches essential tools such as window breaker, box cutter, and tire deflator. *(Available for MK3 and T5)*

**RF Extender** (CAL-VEX)
Increase the operating RF range of your CALIBER® robot with the RF Extender. Mounted on a portable tripod, data and video antennas can be directly connected to the CCU using the 500’ Hardwire Tether (included in standard robot package). Key uses include: extending RF range; enabling LOS around corners; and, increasing robot operation in buildings/parking garages by placing RF inside the structure while maintaining a command post outside. The RF Extender is for use with both the Standard and Digital COFDM video and data system. *(Available for MK3 and T5)*

**External Truck Mount for RF System** (CAL-TK0)
The external truck mounting bracket provides quick deployment of the data and video antennas to the outside of your command vehicle allowing for safe operation of the robot from inside your command vehicle while maximizing the RF operating range. The kit includes up to 15’ (4.5m) of shielded cable and quick disconnect brackets for the antennas. *(Available for MK3 and T5)*

**Command Post Video Transmitter** (CAL-CPV)
Developed for tactical and EOD teams the Command Post Video Transmitter (CPV) allows real time viewing of CCU video, broadcast to 4 devices simultaneously as far as 300’ (91m) LOS. With a 12V battery the CPV can last up to 5 hours (mission dependent). *(Available for MK3 and T5)*

**Digital COFDM Video System** (CAL-DVU1)
Upgrade to a true Digital COFDM Video System. Ensures the transmission of video images free of distortion from up to 3280’ (1000 m) LOS in optimum conditions. Ideal for searching buildings with a mass amount of concrete and steel in heavy urban environments and airports. *(Available for MK3 and T5)*
**Spare 24V Battery Charger** *(CAL-BC0)*  
CALIBER® Robot Battery charger will plug into the rear battery charger port of robot or directly into port on battery. 24 VDC/110 or 220 VAC. *(Available for MK3 and T5)*

**Spare 12V Battery Charger** *(CAL-BC1)*  
CALIBER® Command and Control Unit (CCU) battery charger. 12 VDC/110 or 220 VAC. *(Available for MK3 and T5)*

**Spare 24V Battery Charger** *(CAL-BC0)*  
CALIBER® Robot Battery charger will plug into the rear battery charger port of robot or directly into port on battery. 24 VDC/110 or 220 VAC. *(Available for MK3 and T5)*

**X-Ray Mount** *(CAL-XR1)*  
The X-Ray Mount keeps technicians clear of danger by using the CALIBER® robot to remotely deploy the portable x-ray system. Mount supports all major X-Ray Sources and Imaging Plates. Please specify type of plate and source to be used at time of purchase. *(Available for MK3 and T5)*

**Twin 20mm Neutrex Mount w/ RAM** *(CAL-TNM)*  
Weapons turret head with integrated Recoil Absorption Mechanism (RAM). Holds two standard 20mm Neutrex disruptors. Disruptors not included. *(Available for MK3 only)*

**Proparms 29mm RC Disruptor Mount** *(CAL-OP004)*  
Mount for Proparms 29mm Recoilless Disruptor. *(Available for MK3 and T5)*

**Universal Lance® Weapons Mount** *(CAL-CTS)*  
Accepts either single or twin Lance® disruptor RAS (Recoil Absorbing System). RAS includes patented auto-aligning aiming system (may be wired directly to robot) and recoil system. *(MK3 supports twin and single Lance, T5 supports single Lance)*

**Spare Quick-change Battery Pack** *(CAL-EB0/1)*  
Lead-acid rechargeable battery pack for the CALIBER® MK3 or T5 Robot MK3 - 13 A/h 24 VDC, T5 - 8 A/h 24 VDC. *(Available for MK3 and T5)*

**T5 Battery**

**MK3 Battery**

**Duke Pro Shock Tube Initiator** *(ESI-RM2)*  
Required for initiating the PAN disruptor or Bottle Charges. Includes attachment mounts for CALIBER® Robot. *(2-Channel initiator available for MK3 and T5)*

**T5 Battery**

**MK3 Battery**

*Above picture is property of Duke Pro Inc.*
Motorized PTZ Mast (CAL-MPTZ)
Remotely increase the height of your Pan-Tilt-Zoom (PTZ) camera up to 55" (140 cm), with the motorized, three stage telescoping PTZ mast. (Available for MK3 and T5)

FLIR® Thermal Image Camera (CAL-OP016)
The thermal imaging camera displays heat signatures in color or B/W and is mounted in place of the PTZ camera. (Available for MK3 and T5)

Auxiliary IR Pole Camera (CAL-APC)
Extend your vertical viewing capability by attaching the IR enabled auxiliary pole camera into the weapons mount of the CALIBER®. The three stage telescoping pole that extends to 74" (188 cm). A lockable fly wheel allows operators to adjust the angle of the IR camera remotely. (Available for MK3 and T5)

Portable Handheld Screen (CAL-PSD)
The CALIBER®’s Portable Handheld Screen is ideal for SWAT entry teams that want to see what the robot operator is viewing on the CCU screen. (Available for MK3 and T5)

Digital Video Recorder (CAL-DVR)
Integrated into the hardshell case of the CALIBER® CCU. The DVR captures video and pictures up to 320GB. Built-in 5" (13 cm) LCD Touch Screen.

Ideal Products PAN™ Disruptor Unit (CAL-K100)
12 gauge, shock tube initiated disruptors. Recoil Reducer Kit is required to fire PAN™ disruptors from the CALIBER® Robot. (Available for MK3 and T5)

Ideal Products Recoil Reducer Kit (CAL-K1000)
Recoil reducer is required to fire PAN disruptors from the CALIBER® Robot. (Available for MK3 and T5)
Basic Spare Parts Kit (CAL-SP0/1)
Contains essential spare parts for the chassis, deck, tracks, wrist, arms, cameras, etc. that are needed for regular maintenance.
(Available for MK3 and T5)

Motorized Anti-Flip Bar (CAL-MAFB)
Remotely stowable anti-flip bar allows for climbing stairs and navigating confined spaces by shortening robot's chassis.
(Available for MK3 and T5)

Fiber-Optic Reel (CAL-FR0)
1000' (305m) milspec fiber-optic tether reel with motorized spooler for use as a backup to RF control.
(Available for MK3 and T5)

Handheld Controller Unit (CAL-HCU)
The lightweight Handheld Controller Unit has a 9' (2.75 m) cord that connects to the tether input of your robot, providing full motor control of the weapon arm, claw arm, drive system, and LED lights. The controller uses the same variable speed joystick with “Dead Man” button as the standard CCU and is powered by a 9V battery.
(Available for MK3 and T5)

Bluetooth Handheld Controller Unit (CAL-HCUb)
The Bluetooth Handheld Controller Unit has a wireless Bluetooth adapter that connects to the tether input of your robot, providing full motor control of the arms, drive system, and LED lights. The controller uses a variable speed joystick with “Dead Man” button and can be operate from a distances up to 100 meters.
(Available for MK3 and T5)

Hardshell Transit Cases (CAL-TRC)
A set of 2 (two) Heavy Duty Hard Shell Transit Case can be used for repeated transport of the CALIBER® robot with accessories.
(Available for MK3 and T5)

Aluminum Ramps (CAL-AL0)
Foldable, lightweight ramps for loading and unloading CALIBER® robot into response vehicles.
(Available for MK3 and T5)