

T4™ ROBOTIC SYSTEM

Minimum footprint, maximum capability

T4 provides unmatched capabilities in a compact, rugged package. It combines strength, reach, intuitive control and robustness to deliver uncompromised performance anywhere – even in the harshest environments.

CUTTING-EDGE ROBOT TECHNOLOGY FOR THE MOST DEMANDING MISSIONS

T4 is a versatile, highly mobile system with the superior strength and all-terrain, all-weather performance to overcome any challenge.

Based on L3Harris' decades of experience developing highly reliability robotic systems, T4 is designed to support the demanding requirements of commercial and military missions, including explosive ordnance disposal (EOD), hazardous materials (HAZMAT) cleanup and special weapons and tactics (SWAT) missions. T4 can be easily reconfigured to deploy a wide variety of payloads to meet evolving mission needs.

By combining power and flexibility in a compact, rugged package, T4 allows operators to quickly access, inspect and defeat hazardous threats in tight urban spaces and austere environments.

BEST-IN-CLASS MANIPULATION AND CONTROL

T4 is the first medium-sized robot with haptic feedback. This advanced technology allows users to feel what the robotic arm touches or holds – enabling complex tasks to be done quickly and easily from a safe stand-off distance. Customer testing has proven that T4's haptic control reduces task completion time by 20% or more.

T4's unique user interface provides intuitive motion control. The robot arm mirrors the movement of the user's hand – minimizing required training and maximizing mission effectiveness. T4's flexible design also supports the use of high-power tools and disruptors. With its human-like precision, flexible design and best-in-class reach and strength, T4 delivers unparalleled performance when it matters most.



BENEFITS

- > Intuitive control enables fast completion of complex tasks
- > Best-in-class manipulator reach and strength allow users to perform jobs typically only possible with large robots
- > Hardened design supports operation in austere environments
- > Superior electromagnetic interference (EMI) protection allows concurrent operation with electronic countermeasures (ECM)
- > Support for large caliber disruptors enables defeat of large targets
- > Low maintenance, easy-to-repair design minimizes downtime
- > Common controller with T7™ robotic system allows for integrated missions, reduced training and equipment costs and easy deployment





PLATFORM SPECIFICATIONS

| | |
|----------------------|---|
| Weight | 154 lbs (70 kg) (chassis with batteries installed) 72 lbs (33 kg) (quick release manipulator arm) |
| Dimensions | 36.2 L x 17.5 W x 46.8 H in (91.9 L x 44.5 W x 118.9 H cm) (arm stowed, PTZ camera raised) 36.2 L x 17.5 W x 13.5 H in (91.9 L x 44.5 W x 34.3 H cm) (chassis only) |
| Power | 7+ hour runtime (depending on task) 6 BB-2590 batteries |
| Speed | 5+ mph (8+ kph) |
| Mobility | Skid steer track system Climbs stairs and slopes over 45° Traverses lateral slopes over 30° |
| Cameras | 2 driving cameras (front, rear) PTZ mast camera with 120x zoom Zoomable gripper camera |
| Radio | LOS range: 3300+ ft (1000+ m) NLOS range: 660+ ft (200+ m) |
| Environmental | -4°F to +140°F (-20°C to +60°C) operational EMI-shielded for use with active jammers Maximum fording depth: 12 in (30.5 cm) IP66 sealed |

MANIPULATOR SPECIFICATIONS

| | |
|----------------------|--|
| Reach | 80 in (2 m) horizontal; 98 in (2.5 m) vertical |
| Lift Capacity | 121 lbs (55 kg) near chassis; 44 lbs (20 kg) full extension Self-righting capability and stabilizers for omni-directional stability |
| Gripper | Force-sensing gripper with non-conductive wire cutter |
| Disruptors | Supports up to 3 total disruptors, including up to 2 large disruptors (PAN, PIGSTICK, HOTROD, RE70, etc.) |

HAPTIC CONTROLLER SPECIFICATIONS

| | |
|------------------------|---|
| Weight | 35 lbs (16 kg) (including battery) |
| Dimensions | 18.7 L x 16.2 W x 9.2 H in (47.5 L x 41 W x 23.4 H cm) |
| Power | 6+ hour runtime 1 BB-2590 or external 24-30 VDC power |
| Controllability | Manipulator presets (standard and user-defined) Manipulator motion rewind function |
| Audio/Video | Daylight-visible display |

REVOLUTIONIZING ROBOT CONTROL

L3Harris' cutting-edge intuitive motion control and haptic feedback make operating T4 as natural as moving one's hand.



ACCESSORIES

- > Handheld controller
- > Motorized fiber-optic tether
- > Radio repeater
- > Antenna extender kit
- > Two-way audio
- > Video recorder
- > GPS
- > Mounts for recoilless and recoiling disruptors
- > Charge drop spool
- > Laser rangefinder
- > Under-vehicle kit
- > Firing circuits
- > CBRNE sensor mounts
- > In-system charging cables
- > Battery chargers
- > Other accessories available upon request

Learn more at: [L3Harris.com/t4](https://www.l3harris.com/t4)

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