

The logo for Peraton RemoteC, featuring the word "Peraton" in a white sans-serif font with a horizontal line through the letter "a", followed by a vertical line and the word "RemoteC" in a bold, white sans-serif font.

Peraton | REMOTE^C

ANDROS™ FX

UNMANNED GROUND VEHICLE SYSTEM

Andros FX™ was designed with the user in mind, created from the ground up based on over 30 years of Peraton RemoteC unmanned ground vehicle (UGV) experience and guided by customer requirements. A culmination of advanced mobility and high dexterity coupled in one vehicle, the Andros FX provides unmatched capabilities to defeat vehicle-borne improvised explosive devices (IEDs) in addition to many other threats.

Peraton drives missions of consequence spanning the globe and extending to the farthest reaches of the galaxy. As the world's leading mission capability integrator, we are a trusted provider of highly differentiated national security solutions and technologies that keep people safe and secure. Peraton serves as a valued partner to essential government agencies, including the Intelligence Community, Department of Defense, Department of Health and Human Services, and NASA. Every day, our 10,000 employees do the can't be done, solving the most daunting challenges facing our customers.

TRACK-POD MOBILITY

- Quad articulators provide the mobility needed for the widest range of scenarios - indoors, outdoors and every combination in between
- Each track pod can be controlled individually to level the vehicle on uneven terrain, increasing the flexibility of employment and minimizing concerns about vehicle tip-overs

NINE DEGREES OF FREEDOM MANIPULATOR

- Two additional roll joints provide the ability to access vehicles and maneuver in confined spaces, such as parking lots and buildings previously out of reach
- Significantly increased lift capacity of objects and greater dexterity for handling the toughest missions
- Gripper palm camera with lights and range estimator for faster, more accurate grasping

IMPROVED MENU SYSTEM

- Eighteen factory presets allow for rapid positioning of the arm and articulators
- 3-D vehicle avatar helps operators view and visualize the configuration of the arm and articulators
- One or four cameras can be displayed
- Single camera mode offers three picture-in-picture camera windows that can be moved and resized
- Diagnostic and maintenance information provided via touch screen graphics

TECHNICAL SPECIFICATIONS

DIMENSIONS

- Height: 55" (1397 mm)
- Width: 28" (711 mm)
- Length: 42" (1066 mm) tracks up

WEIGHT

- 1000 lbs (454 kg)

MOBILITY

- Articulated tracks with position feedback capable of individual control
- Slope: 45° incline and stairs
- Speed: 0-5 mph (0-8 kph)
- Traverse: gap opening up to 27" (686 mm) and obstacles up to 25" (635 mm)
- Turning: 48" (1219 mm)

MANIPULATOR

- Variable Speed Control for precision
- Dual-sided quick change accessory mounting system
- Torso Rotate: +/- 150° w/position feedback
- Shoulder: 221° w/position feedback
- Lower Arm Roll: +/-170° w/position feedback
- Elbow: 22kk3° w/position feedback
- Upper Arm Roll: +/-170° w/position feedback
- Wrist Pitch: 215° w/position feedback
- Wrist Extend: 6" (152.4 mm)
- Grip Rotate: 360° continuous w/feedback
- Gripper Range Estimator: 3.9 - 31.5 in (10-80 cm)
- Lifting: 275 lbs at 18" (124 kg at 457 mm); 125 lbs (57 kg) at full extension
- Vertical Reach: 137" (3480 mm) with tracks down and arm fully extended
- Horizontal Reach: 97.5" (2464 mm) from front of vehicle chassis

CAMERAS

Surveillance:

- Color camera with IR switching
- 360x zoom
- Extra low light color pan/tilt/zoom with full 360° continuous pan, +/- 90° tilt
- Auto/Manual focus and iris
- LED lights with remote switching from white to IR
- Vertical Surveillance Camera Extend: 24" (609 mm)

Arm:

- Fixed color camera with wide angle lens
- LED light with remote switching from white to IR
- Optional Surveillance Pan/Tilt camera with optional thermal camera

Front and Rear Drive:

- Color camera that switches to B&W in low light conditions with fixed focus and auto iris
- Sensitive to IR illumination

Palm Camera:

- Color camera that switches to B&W in low light conditions with fixed focus and auto iris
- Sensitive to IR illumination

Optional Thermal Camera:

- Mounted in Surveillance Pan/Tilt

Optional Tool Camera:

- B&W low light with fixed focus and auto iris
- Optional laser enhancing lens
- Sensitive to IR illumination

AUDIO

- 2 Way audio system with weatherproof speaker and microphone

COMMUNICATION LINK

- 2000 ft (6010 m) Fiber Optic Cable Reel
- 5W, License Required
 - Radio: Line of Sight (LOS) 1000 m
 - Non-Line of Sight (NLOS) 500 m

ELECTRICAL

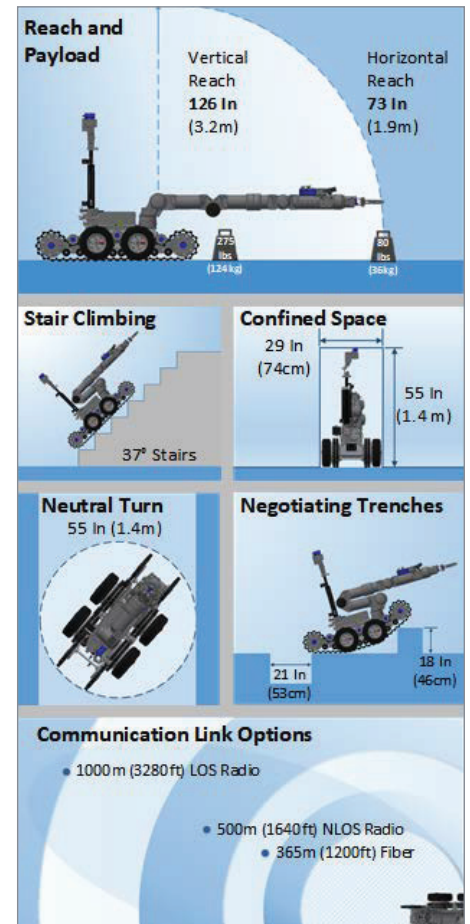
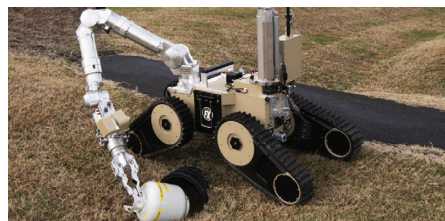
- 7 Isolated firing circuits: 24VDC
- Power supply: 36VDC 55 amp-hr gelcell battery pack; Battery Charger, 110 or 220 VAC operation

ENVIRONMENTAL

- Designed to meet IP65
- Sealed, weather resistant enclosure
- Wet or dry surfaces
- Operating temperatures -20° C to +50° C

OTHER

- 2.5 days of operator/maintenance training in Clinton, TN
- One year limited warranty



HAVE QUESTIONS?

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