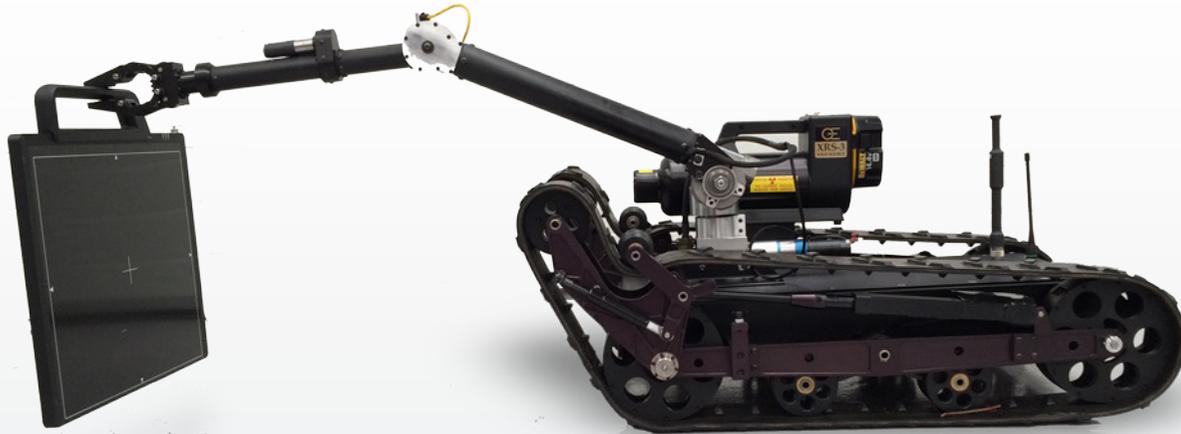


Riddler



Features

- Long range operation via the Command Console [up to 1 km non-line-of-sight]
- Close-by operation via the Wireless Hand-Controller [up to 20 m]
- Operating time: up to 3 hrs [mission dependent] CAN, Ethernet and RS232 vehicle communication ports
- 2 fail-safe firing circuits
- 4 colour cameras and LED lights on the drive cameras

Height	43 cm
Length [retracted]	90 cm
Length [extended]	100 cm
Width	51 cm
Weight	50 kg
Speed	5 km/h

Description

Riddler is an advanced, reliable and robust explosive ordnance disposal robot with applications extending to security, CBRN and X-ray. Riddler's manipulator arm has five degrees of freedom [DOF] which are electric actuator driven. It has a remotely operated fail safe firing system with two firing options.

Communication

Riddler is controlled by an advanced intuitive Command Console which relays radio signals up to 1 km non-line-of-sight through its proven COFDM link. Riddler is also controlled by a Wireless Hand-Controller which is ideal for loading/unloading Riddler and for close-by control [up to 20 m range]. Different frequency options are available on request.

Convenience

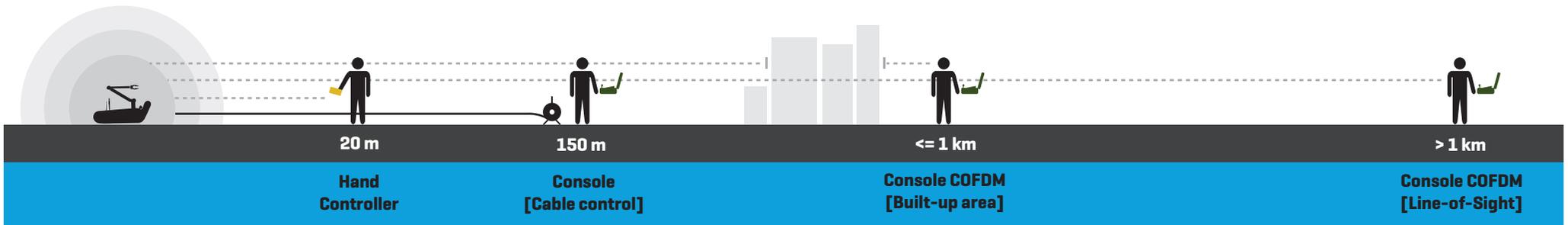
Convenience and ease of use is essential in most security threat situations when time is of the essence. Riddler can be easily put into the boot of a standard car for quick or discrete transportation. Ability, size and price make Riddler a cost effective solution for specialised security and bomb disposal units, police forces or military.



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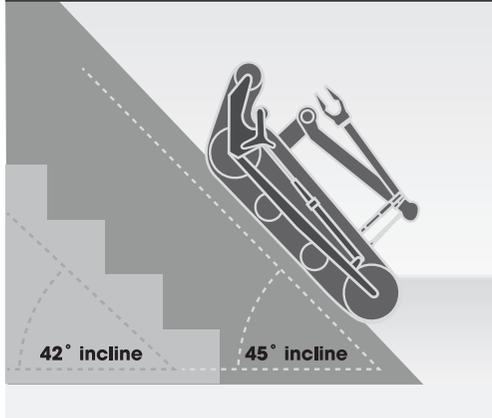
Email: info@reamda.com
Web: www.reamda.com



Mechanical Features

- Manipulator arm with 5 degrees of freedom
- Turret rotation 300°
- Gripper rotation 360° continuous
- Arm lift capacity 9 kg
- Two heavy duty tracks which allow travel over the most difficult of terrains

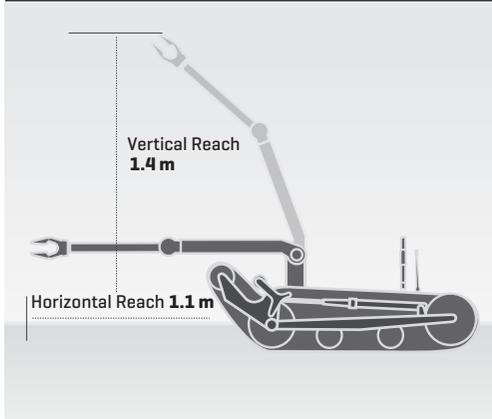
Climbing Ability



Optional Features & Accessories

- 3rd party CBRN sensors
- Real-time X-ray System [robot deployable]
- Reverse audio between Command Console and Riddler
- Riddler training simulator [Plug in unit for Command Console that simulates Robot in various scenarios]

Reach



Communication

- #### Command Console
- Rugged hard-wearing weatherproof case
 - 19" high res daylight readable video display
 - Quick 5 second start
 - Easy to use intuitive user interface
 - Sensitive joysticks include twist to zoom
 - Advanced 10" TFT touch screen works in direct sunlight and while wearing gloves
 - Real-time graphical feedback gauges including robot inclination
 - Picture-in-Picture feature to show two switch-able camera feeds simultaneously
 - Camera environment settings for improved light levels
 - Key activated weapons screen with self-tests and diagnostic feedback
 - Weight 17kg



- #### Wireless Hand Controller
- Rugged, portable, hand-held controller
 - Full electric actuator control
 - Dead man switch for drive control safety
 - LED indicator for battery and comms range
 - 4 hrs battery life

