

Dragon Runner 10

Specifications

- Size: 15 in x 13 in x 6 in (l x w x h)
- Weight: 10 lbs (4.5 kg)
- Speed: 4 mph (5.8 ft/s)
- Endurance: 2-3 hrs, mission dependent
- RF Range: 650+m (2100 ft) LOS
- Acoustics: On-board microphone
- Environmental: IP 66 rated (hose down, drive through puddles)
- Cameras: Front and rear (day and night capable)
- Controller: Compatible with Lightweight Radio Unit and Gen 2.5 Hand Controller
- Payloads: Sensors, manipulator arms, cameras, etc.
- Max arm lift: 4.4 lbs (2 kg)
- Other: Throwable and invertible, climbs stairs, adding payloads eliminates throwability

Highlights

- Specifically designed for dismounted small units to enhance reconnaissance missions, early warning and overall situational awareness
- Lightweight to minimize impact to existing combat load
- Small enough to fit inside an assault pack
- Tough enough to be thrown and survive rough handling and adverse weather
- Excellent RF performance

Dragon Runner 20

Specifications

- Size: 20 in x 15 in x 7 in (l x w x h)
- Weight: 20 lbs (9.07 kg)
- Speed: 4 mph (5.8 ft/s)
- Endurance: 3-4 hrs, mission dependent
- RF Range: 650+m (2100 ft) LOS
- Acoustics: Two way Audio (as payload)
- Environmental: IP 65 rated (hose down, drive through puddles)
- Cameras: Front and rear (day and night capable); left and right (day only); quad video display
- Controller: Compatible with all existing QinetiQ controllers
- Payloads: Sensors, manipulator arms, cameras, two way audio, etc.
- Max arm lift: 10 lbs (4.5 kg)
- Other: Highly modular mobility options, climbs stairs

Highlights

- Specifically designed for dismounted small units for reconnaissance and counter IED missions and first responders
- Highly modular and reconfigurable to meet mission requirements (e.g. mobility kits and payloads)
- System can be carried whole or easily split between operators to lighten the load
- Tough enough to survive rough handling and adverse weather
- Extended endurance
- Excellent RF performance

Dragon Runner™ Unmanned Robotic Systems

Backpackable Robotic Systems
for Reconnaissance, Security
and Counter-IED Operations



Why Dragon Runner Robots?

The family of Dragon Runner robots provide world class support to military forces and first responders alike. These easily transportable systems enable their operators to carry them into some of the most hazardous conditions and terrains found on earth, from desert and mountainous combat situations in the Middle East and Central Asia, to the streets of Europe and the United States. When you need a reliable, tough robot to advance ahead of your dismounted forces, select a Dragon Runner.

As the first small robot to be used by the United States Marine Corps in Iraq starting in 2003, the Dragon Runner family has continued to evolve, providing expanded capabilities and sizes to meet the ever-increasing needs of a growing array of customer organizations. Today, Dragon Runners are being carried into the mountains of Afghanistan with their attached arms to locate and attack enemy improvised explosive devices (IEDs), they are being tossed into windows by infantrymen and police officers alike to identify threats prior to entering facilities and complex terrain, and they are being used by bomb squads to disrupt bombs in urban areas.

Dragon Runners are available in two sizes, each with optional modular attachments to include manipulator arms and surveillance cameras. The Dragon Runner 10 (DR-10) Micro Unmanned Ground Vehicle (MUGV) is a modular, lightweight, compact, multi-mission remote platform with a starting weight of only 10 pounds. The Dragon Runner 20 (DR-20) Small Unmanned Ground Vehicle (SUGV) provides a rugged, flexible solution to ordnance disposal, reconnaissance, inspection and security in military and first responder applications that starts at 20 pounds. Both systems can be hand carried or carried inside a rucksack, and both can be remotely operated from many hundreds of meters away, providing protection and safety to their operators.

Why choose Dragon Runners?

They are simply the best small robots in the world.



Dragon Runner 20



Dragon Runner 10

Available upgrades and modular attachments:

- Tracks
 - Stair climbing
 - Lightweight (DR-10 only)
 - Track extenders (DR-20 only)
- Wheels
- Multi-axis manipulators
- ISR payloads
- Disruptor mounts (DR-20 only)
- Rear stabilizers for stair climbing
- Additional accessories

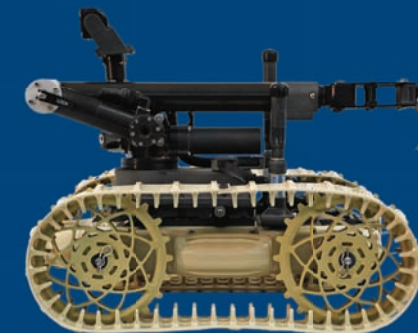
Dragon Runner 10

Micro Unmanned Ground Vehicle

The DR-10 MUGV is a lightweight, compact, multi-mission remote platform developed for supporting small unit dismounted operations. While using a wearable controller, the warfighter sends the DR-10 ahead of his small unit to gain situational awareness and take action.

When fitted with the Light Weight Modular Arm, the DR-10 has the ability to investigate and recover or neutralize a potential IED. This lightweight arm weighs only seven pounds, can be spread loaded amongst the dismounted squad, and requires no tools to quickly install to the vehicle.

DR-10's day and night sensors allow it to serve as the forward eyes of the team while also delivering remote sensors, emplacing counter-IED charges, and more.



All QinetiQ North America robots include a maintenance and support plan from the QinetiQ North America factory to worldwide users, permitting module-level repair and sustainment.



Dragon Runner 20

Small Unmanned Ground Vehicle

Small and lightweight, yet rugged and feature-packed, QinetiQ's innovative DR-20 SUGV is a highly specialized unmanned system uniquely suited to give users the ability to literally see around corners and into tight spaces. Modular and reconfigurable, the mission dictates exactly how DR-20 will be used – making it the perfect choice for a wide range of military and first responder applications.

The DR-20 SUGV provides a flexible solution to ordnance disposal, reconnaissance, inspection and security in military and first responder applications. Originally designed for the U.S. Marine Corps, the basic model of the DR-20 SUGV weighs only 20 lbs, measuring just 20 in x 15 in x 7 in (l x w x h).

The DR-20 SUGV can lift from 5 to 10 lbs when fitted with its manipulator arm, which has a rotating shoulder, wrist and grippers for dexterity. It can also expand its mission capabilities when fitted with tracks for enhanced mobility. Options include day/night cameras, pan/tilt/zoom cameras and a microphone.

