

RIPSAW[®] M3 ROBOTIC VEHICLE



The RIPS AW[®] M3 Robotic Vehicle is the newest generation platform within the RIPS AW family of vehicles. The RIPS AW M3 incorporates the familiar large, open deck area from the RIPS AW M5 robotic vehicle and 10kW of offload power provides the flexibility to support multiple lethality, RSTA, combat engineering and logistics payloads. With a powerful hybrid electric drivetrain and novel suspension, the RIPS AW M3 provides unmatched mobility with over 180 miles of range.

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TEXTRON Systems

► PUSHING PAST POSSIBLE

TEAM RIPS AW

TEXTRON Systems



TELEDYNE
FLIR

The M3 builds on the success of the RIPS AW® M5 and incorporates lessons learned from solider experimentation into a smaller, but mission-capable variant. This vehicle also provides safety to the warfighter with built-in hardware and software safety redundancies to provide confident experimentation and operation.

FEATURES

- > M3 is part of our RIPS AW family of products.
- > Hybrid Electric Powertrain with full platform mobility in electric mode and Range Extender to increase platform range.
- > Modular Open System Approach (MOSA) simplifies integration of new payloads, controllers and autonomy suites.
- > 80" Wide vehicle balances capability with internal transportability on a CH-47.
- > 5,000 lbs of payload capacity and 10kW of offload power.
- > Class-leading ground clearance and refined suspension design provides unmatched offload mobility.
- > Over 2,500 miles of pre-delivery durability testing and refinement complete to ensure a rugged, reliable platform.



As technology advances, so does our ability to protect our troops. Uncrewed systems provide the opportunity to reduce risk from the most unpredictable places on the battlefield.

KEY SPECIFICATIONS



GROSS VEHICLE WEIGHT RATING
18,000 lb (8,165 kg)



GROUND CLEARANCE
14 in (355.6 mm)



TOP SPEED
>30 mph (48 kph)



TRACTIVE EFFORT
160% Peak, 70% Continuous



GRADIENT/ SIDE SLOP
60% Forward/
Reverse, 50% Side



OPEN/MODULAR DECK AREA
63ft²



VERTICAL STEP
24 in (610 mm)



SILENT WATCH
>19 hrs



GAP CROSSING
>48 in (1,220 mm)



PAYLOAD CAPACITY
5000 lbs, 10kW
(weight, power)