



# LD-1 ARMORED ATV



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# LD-1 SPECIFICATIONS

## BALLISTICS:

- Ballistic surround shield utilizes NIJ III / CEN B-6 material
- UL-5 ballistic glass on all four sides
- All ballistic panels and glass are individually replaceable

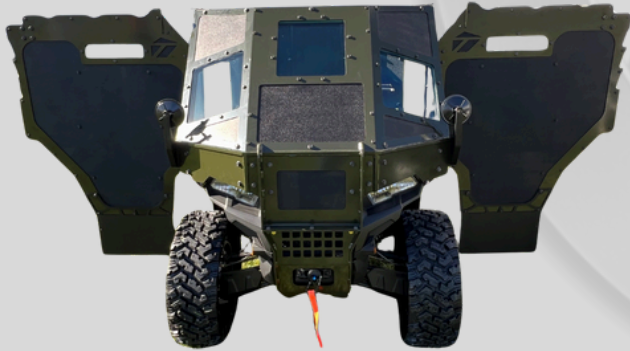


## ACCESSORIES:

- Michelin X-Tweels - airless tires
- Door Extensions - NIJ IIIA
- Ballistic Roof - NIJ III
  - required for roof accessory
- Rear Utility Panel
- Maintenance tool kit
- LD-1 Operator Training

## FEATURES:

- Quick-open doors: 120 in/305 cm of ballistic cover
- MOLLE panels
- T-bar and Rear Hand Straps
- Fire suppression
- Integrated barrel rests on top and sides of the doors
- Top and front rail accessory mounting capability
- Modular design for convenient maintenance and part replacement
- Mounted with no permanent modifications to the ATV





# LD-1 SPECIFICATIONS

## Protection

- NIJ III / CEN B-6 material
- 360 degree protection for operator ballistic protection up to 120" wide
- Designed to ROP standards

## CAPABILITY

- All Terrain
- Indoor/Outdoor ability
- Navigate tight spaces
- Fast and maneuverable

## VALUE

- Versatile capabilities
- Practical accessories
- Replaceable panels



## MANEUVERABILITY:

- Length: 84.5 in / 215cm
- Width: 52 in / 132 cm
- Height: 64.25 in / 163 cm
- Weight: 1,316 lb / 597 kg
- Turn Radius: 84 in / 213 cm
- Ground Clearance: 9.5 in / 24 cm
- Tow Capacity: 1,500 lb / 680 kg
- Winch Capacity: 3,500 lb / 1,588 kg
- Wheelbase: 53 in / 134.6 cm



# WINDOW EXTENSION AND ROOF PANEL



An additional  
5.25" x 24.5"  
(13.3 cm x 62.2  
cm) ballistic  
protection.

Breakaway roof  
with open sides  
to allow for  
engagement.



- Roof: NIJ III / CEN B- 6 ballistic material
- Window: UL-5 glass
- Easily installed / removed as needed
- Fits all LD-1 models with NO modifications



# DOOR EXTENSION ACCESSORY



Up to an additional 16.5"x16"  
(41.9 cm x 40.6 cm) ballistic  
protection



NIJ IIIA Material	Quick-deploy second extension
Permanent addition of 16.5" x 9" (41.9 cm x 22.8 cm) ballistic protection	Second extension offers an additional 16.5" x 7" (41.9 cm x 17.7 cm) protection
Fits all LD-1 Models, no modification necessary	Stops up to .44 Magnum, and protects against ricochet



# FENDER ARMOR



**Standard on all future LD-1 units**

NIJ III / CEN B-6 Material	Integrated organizational panels
Up to 25.5"x11" (64.8 cm x 27.9 cm) ballistic protection on each side	Fits all LD-1 Models, no modification necessary



# USE CASE - SWAT



## Armored Protection NIJ III / CEN B-6



## LD-1 Use Case:

### SWAT

- Structure Approach
- Barricaded Subject
- Active Shooter



- Lightweight, agile platform for soft terrain and spaces between structures.
- Both concealment and cover for operators.
- Full ballistic protection for final approach or delivery of less lethal munitions, drone/robot.
- Speed and maneuverability inside structures.
- Direct transport to the threat.
- Transit of personnel, equipment, and supplies during extended operations.
- Provide cover for evacuation of victims/personnel.



Reduce risk for operators

Reduce physical wear on personnel



# USE CASE - SWAT

## Perspective:

*Captain, 22-year law enforcement officer with 13 years on SWAT.  
Team commander of joint tactical team.*



### Scenario #1: Structure Approach

Current tactics – Initial approach with MRAP or Armored Personnel Carrier (APC) – extremely heavy and oversized. Perimeter, hasty, or QRF teams utilizing fences, trees, or vinyl/aluminum buildings as concealment with lack of cover. Final approach employing single ballistic shield to protect multiple operators.

**Solution:** The LD-1, which is well suited with its light weight and small platform, can be utilized to traverse soft terrain and small spaces between structures. It can be positioned in urban and rural environments to offer operators both cover and concealment allowing the final approach with full ballistic protection for team during window breaking, hostage rescue, apprehension, or less lethal munition or robot/drone deployment. The outcome is overall risk reduction to personnel.

### Scenario #2: Barricaded Subject / Active Shooter

Current tactics – Operators clear structure on foot with ballistic vests.

**Solution:** The speed and maneuverability of the LD-1 matches the fluid and fast paced nature of an active shooter event. It offers direct transportation to the threat to engage the suspect with 360° ballistic protection for the operator.

**Additional Scenarios:** Transportation of personnel, equipment, and supplies during natural/manmade disasters, or extended operations to limit the exhaustion of operators. K-9 and suspect searches in diverse environments – between houses/buildings (urban), fields, creeks, or wooded (rural) areas. Ballistic capability in outdoor venues where there exists a risk for gunfire or objects thrown or used as weapons.



# USE CASE - METRO PD



## Armored Protection NIJ III / CEN B-6



### LD-1 Use Case:

*Major Metropolitan  
Police Department*

- Large Structure Clearing
- Crowd Control
- Daily Operations



- Navigate inside large buildings.
- High speed capability through wide corridors.
- Provide cover for evacuation of victims/personnel.
- Slow speed shield for methodical movements.



- Capable in various outdoor terrain.
- Maneuverable in narrow streets and alleys.
- Ballistic protection for perimeter personnel.
- Safe transport of supplies, equipment, or injured individuals.

Reduce risk for officers

Reduce physical wear on personnel





# USE CASE - METRO PD

## Perspective:

*Lieutenant, 13-year Law Enforcement Officer in major metropolitan area, with specialization in operations, supervision, and negotiations.*



### **Scenario #1:** Large Structure Clearing

Examples: Warehouses, malls, stadiums, convention centers, hospital complexes, etc.

Current tactics - vehicle perimeter, officers utilizing vests and hand-held shields, stack formation, methodically and slowly clearing of each aisle/hall.

**Solution:** Utilizing the LD-1 allows safer and more efficient techniques, with reduction in physical wear on personnel. The new operation method includes NIJ level III protection for perimeter personnel in all terrain. Additionally, driving the LD-1 directly inside the building through any double or overhead door allows for rapid recourse to the threat. Departments may opt for speed and maneuverability through corridors or slower movement with the LD-1 doors providing cover for personnel. The outcome is overall risk reduction for officers.

### **Scenario #2:** Crowd Control / Riot Control

Current tactics - LEOs on bicycles, motorcycles, ATVs, or on foot utilizing tactical vests and hand-held shields.

**Solution:** The LD-1 represents a significant elevation in capabilities in handling crowds and riots with an increase in the show of force but not to the extent of military. Utilizing multiple LD-1s, in addition to officers on foot protected by 120" of cover provided by the open doors, LEOs can quickly clear an unruly outdoor area. Additionally, the LD-1 can be utilized as transport for things such as wounded individuals, supplies, or towing of small equipment.

**Additional Scenarios:** Daily reactive operations, especially when surrounding houses in tight, urban settings that have narrow sidewalks, alleys, and side yards. The space/weight restrictions of the GArmor X5 and Bearcat/MRAP vehicle limit their contributions.