

# Monitor Lizard

All Terrain Vehicle



The Monitor Lizard is a robust, dual-body, all-terrain vehicle built for high-altitude, cold, and rugged environments. Fully armored and capable of traversing Gobi, desert, snow, swamp, tidal flats, high plateaus, inland waters, and more, it's designed for challenging missions in extreme conditions, the Monitor Lizard is your reliable partner in the field.



## MOBILITY

Quick deployment in diverse environments—Gobi, desert, snow, swamp, tidal flats, high plateaus, inland waters, and polar regions. Ideal for rescue, communication, transportation, medical, and firefighting operations in all weather.



## FORTIFICATION CAPABILITIES

Front design features an engineering control module with hydraulic power quick connection for fast tool switching. Ideal for fortification construction in high-altitude permafrost. Vehicle can be attached to a trailer and carry various engineering equipment.



## SCALABILITY

Modular design allows for easy expansion with rear functional modules. Adaptable platform supports various weapons and equipment for different mission requirements.



## MAINTENANCE


Engine compartment has top and interior inspection points for easy maintenance. Special independent four-wheel drive transmission offers high reliability and long maintenance cycles. Modular chassis torque sleeve enables fast replacement.




## PROTECTION

Featuring a 4.2mm load-bearing armored body with grille armor, resistant to rocket attacks and 7.62mm bullets. Equipped with oxygen supply, heating, power, and water purification systems, supporting 14 people for over 20 days in the field.


# TECHNICAL HIGHLIGHTS




Dual-body vehicle attitude adjustment



Specialized independent four-wheel drive structure mechanical transmission.



Independent vibration reduction of tracked multi-wheel trains



Energy-saving control of the thermal management system

# TECHNICAL SPECIFICATIONS

Model	ZJ01
Overall dimensions (length×width×height)	9.1×2.45×2.6 m
Operating ambient temperature	-43~50 °C
Total combat weight	17000 kg
Maximum effective load	5500 kg
Engine power	242 kW
Transmission	automatic 6- speed forward, 1reverse
Number of passengers (front/rear):	4/10
Protection capability:	7.62 mm ammo
Land maximum speed	65 km/h
Floating speed on water	5 km/h
Pull force of self-rescue winch	8000 kg
Maximum gradeability	35°
Maximum side slope	25°
Range on roads	550 km
Height of crossing vertical obstacles	1 m
Crossing trench width	1.6 m
Minimum turning radius	7.8 m
Net ground pressure	25.4 kPa

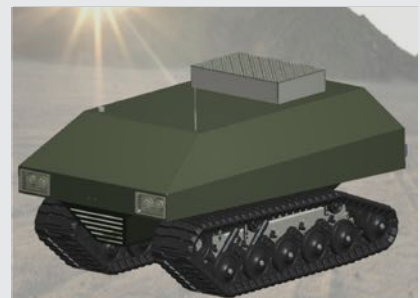


# Sichuan Jinjia Special Equipment Technology Co., Ltd.

Sichuan Jinjia Special Equipment Technology is located in Chengdu, a renowned city in southwest China. The company is a high-tech enterprise specializing in the research, development, and manufacturing of tracked and wheeled special equipment.

The company is market-driven, pursuing technological innovation and continuous advancement. By integrating resources from the supply chain and OEM partners, we develop practical, effective, and reliable high-tech special products tailored to the differentiated and customized needs of our clients.

The company has developed a full range of high-tech equipment, including "Monitor Lizard", an articulated tracked all-terrain vehicle, "Scorpion" and "Fire Ant", both all-terrain unmanned vehicle. This diverse range of high-tech equipment provides transportation support and specialized operational solutions for users in challenging terrains and harsh road conditions.



Anytime,  
Anywhere,  
Any task!

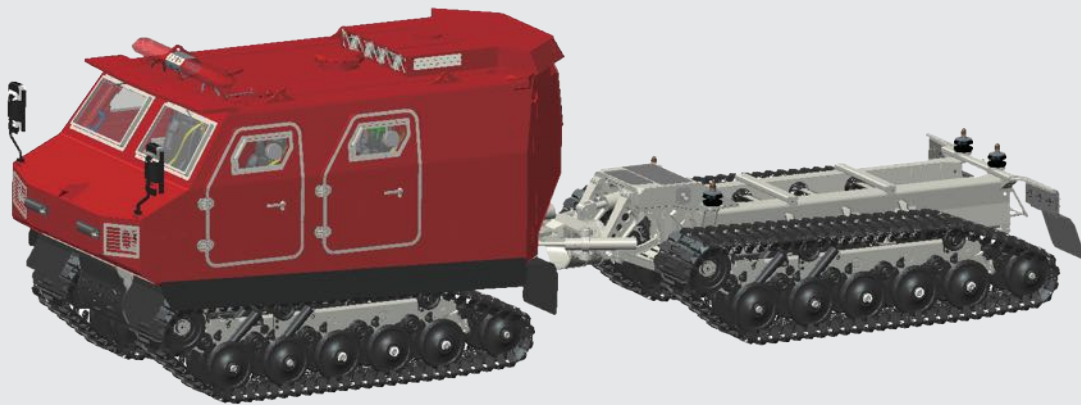


# All-Terrain Tracked Firefighting Vehicle



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The Monitor Lizard all-terrain firefighting vehicle is developed based on universal platform BN117-X. By integrating various rear-mounted functional modules, it features a "platform + firefighting module" design, creating a versatile series of vehicles.



All-terrain Tracked Emergency Rescue Product Universal Platform

The BN117 tracked all-terrain transport platform, equipped with core patented technologies, supports various operations—transportation, emergency rescue, fire fighting, and communication—across complex terrains and harsh conditions, including grasslands, forests, deserts, snow, swamps, tidal flats, and inland waters.



The rear vehicle can be equipped with various modules to meet diverse firefighting and rescue needs.

- |   |   |
|---|---|
| 1) All-terrain water cannon vehicle       | 4) All-terrain firefighting tool vehicle            |
| 2) All-terrain material transport vehicle | 5) All-terrain multifunctional firefighting vehicle |
| 3) All-terrain unmanned platform vehicle  | 6) All-terrain water-personnel transport vehicle    |

# BN117-X1 All-Terrain Water Cannon Vehicle



## TECHNICAL SPECIFICATIONS

Dimensions (Length × Width × Height)	9.1×2.45×3.6 m	Operating Temperature Range	-43 – 50°C
Combat Weight	17000 kg	Winch Pull	8000 kg
Maximum Road Speed	65 km/h	Rated Power	242 kW
Number of Crew Members	4 (front)	Pump Flow Rate	1500 L/min
Minimum Turning Radius	7.8 m		
Maximum Gradeability	35°	Turbofan Water Canon Flow Rate	500 L/min
Maximum Side Slope Angle	25°	Turbofan Water Canon Range	45 m
Maximum Obstacle Crossing Height	1 m	Fan Airflow	40000 m <sup>3</sup> /h
Trench Crossing Width	1.6 m	Liquid Tank Capacity	2500 L

# BN117-X2 All-Terrain Tracked Multifunctional Transport Vehicle



The vehicle features a sealed design for amphibious travel, a 2000L tank, a fire pump, and an 8-passenger rear carriage or emergency rescue module.



Internally carrying 2 tons of water plus 12 people



Internally carrying 2 tons of water plus firefighting equipment

Rear Vehicle Interior Layout Diagram

## TECHNICAL SPECIFICATIONS

Dimensions (Length × Width × Height)	9.1×2.45×2.6 m	Maximum Obstacle Crossing Height	1 m
Combat Weight	17000 kg	Trench Crossing Width	1.6 m
Maximum Road Speed	65 km/h	Operating Temperature Range	-43 – 50°C
Floating Speed on Water	5 km/h	Winch Pull	8000 kg
Number of Passengers(front+rear)	4+10 (or 4 front+modular equipment)	Liquid Tank Capacity	2000 L
Minimum Turning Radius	7.8 m	Maximum Flow Rate	6.1 L/S (upgradable with a larger pump)
Maximum Gradeability	35°	Turbofan Water Canon Range	280 m (upgradable with a larger pump)
Maximum Side Slope Angle	25°	Fan Airflow	37 m (upgradable with a larger pump)

# All-Terrain Unmanned Vehicles

The "Scorpion" all-terrain unmanned vehicle primarily consists of components such as the chassis, power system, hydraulic system, electrical and control system, video monitoring system, remote control platform, and the vehicle body assembly. The unmanned platform can autonomously memorize its operating trajectory and can return to base with a single button press in case of signal loss. The chassis technology is derived from the company's "Monitor Lizard" all-terrain platform, featuring high speed, high reliability, and excellent off-road capability.



Scorpion WR31

The "Fire Ant" all-terrain unmanned vehicle primarily consists of components such as the chassis, power system, electrical and control system, remote control platform, and the vehicle body assembly. The chassis features Christie suspension structure and is equipped with high-torque brushless motors. The vehicle offers strong off-road capability and smooth operation, allowing it to navigate various complex terrains with ease.

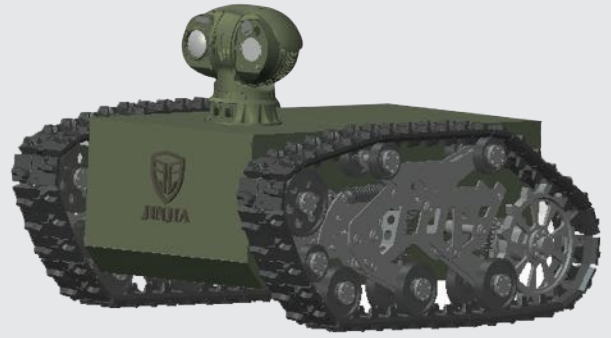


Fire Ant WR51

# TECHNICAL SPECIFICATIONS

Type	WR31	WR51
Curb Weight (t)	≤6	≤0.3
Length × Width × Height (mm)	≤4000×2300×2000	≤1300×1000×1200
Maximum Speed (km/h)	≥30	≥5
Maximum Payload (t)	≥1.6	≥0.25
Gradeability	≥30°	≥30°
Remote Control Range (km)	2~5	≥0.2

# WR52 Unmanned Reconnaissance Vehicle



WR52 unmanned reconnaissance vehicle adopts a high-performance tracked robot chassis, with a Christie independent suspension design throughout the vehicle. It is equipped with high-torque brushless motor, benefiting from its well-designed chassis structure and power configuration, the vehicle exhibits exceptional mobility, a low center of gravity, smooth operation, and high transmission efficiency, enabling it to traverse a wide range of complex terrains with ease.

The WR52 is equipped with an Electronic Sentinel System, which integrates day and night surveillance, intelligent analysis, and active defense capabilities. It features broad application, flexible deployment, unmanned operation, high levels of intelligence, and strong environmental adaptability.



## 24/7 Operation in All Weather Conditions:

Employing a multi-mode composite detection approach with intelligent thermal imaging, high-definition visible light, and laser night vision, the product integrates these methods to complement each other, enabling rapid search and close-range detailed observation of targets around the clock and in all weather conditions.

## Multidimensional Perception:

Supports image scaling; optional laser rangefinding; compatible with various sensors.

## High Intelligence:

Supports hotspot detection, smoke and fire alarms, and temperature monitoring; area intrusion detection; Supports detection, classification, and identification of vehicles, vessels, and people; target tracking and filtering; and AR-based intelligent information interaction.

## Active Defense:

Supports tweeters and flashing lights to deter or repel unauthorized individuals.

WR52 unmanned reconnaissance vehicle can also be equipped with a multimedia special audio dispersion system tailored to the scenario. It includes built-in sound sources for security, dispersion, firefighting, medical aid, and clearing, as well as high-definition loudspeaking, MP3, and Bluetooth playback functions. The product supports constant pressure and constant impedance output, and features excellent high-volume dispersion capabilities. It is capable of conducting "psychological operations" in various environments. The maximum peak sound pressure level of the speaker is 139dB.

# TECHNICAL SPECIFICATIONS

## Chassis Parameters

Design Dimensions	1270×904×530 mm	Internal Dimensions <small>*Battery Compartment included</small>	1070×490×314 mm
Chassis Weight	290 KG	Travel Speed	0-10 km/h
Ground Clearance	130 mm	Protection Level	IP64
Gap Crossing	200 mm	Maximum Payload	100 Kg
Maximum Gradeability	30°	Vertical Obstacle Crossing	150 mm
Track Material	Rubber <small>*with Embedded Steel Core</small>	Track Width	150 mm
Suspension System	Christie × 6 Shock Absorbers	Main Materials	Alloy Steel Plate / Aluminum / Polymer Materials
Surface Finishing	Black Powder Coating (Matte Finish)	Remote Control Range	200 m (External Antenna)

## Electronic Sentinel System Parameters

Detection Range	6500 m (for vehicles) 2500 m (for people)	Recognition Range	800 m (for vehicles) 1800 m (for people)
Laser Effective Range	500 m	Operating Temperature	-40°C ~ 60°C
Rotation Angle	Horizon: 360°continuous rotation Pitch: -90° ~ +90°	Rotation Speed	Horizon: 0.01°/s ~ 100°/s Pitch: 0.01°/s ~ 80°/s



# Armored Passenger Car DMT6620FD3

The DMT6620FD3 armored personnel carrier features an armored bus chassis designed specifically for bulletproof protection. Its sleek design is seamlessly integrated into the vehicle's contours, resulting in a stylish and sophisticated appearance. The spacious interior can accommodate 10-19 people. The vehicle features a six-sided bulletproof protection structure, with a vehicle protection level that meets the European EN1063 standard B6 level, which can adapt to various scenarios and effectively ensure the safety of passengers.



# BASIC CONFIGURATION PARAMETERS

<b>Model</b>	<b>DMT6620FD3</b>
Chassis Model	EQ6580KS3D
Driving Type	4×2
Vehicle Appearance (length x width x height)	6240×2400×3200 mm
Gross Vehicle Weight	8600 Kg
Gross Vehicle Weight Rating	11200 Kg
Rated Passenger Capacity (including driver)	10 – 19 people
Engine Model and Type	Dongfeng Cummins ISDe180 30 turbocharged intercooled turbocharged diesel engine
Displacement	4.5 L
Emission Standard	National III
Rated Power	132/2500 Kw/r/min
Maximum Torque	650/1200-1700 N m/r/min
Wheelbase (front/rear)	1923/1756 mm
Axle Distance	3300 mm
Minimum Ground Clearance	195 mm
Maximum Speed	100 Km/h
Tire Specifications	255/70R22.5
Number of Tires	6
Protection Grade	six-sided bulletproof, bulletproof level B6

# Rock 12 — ELECTRIC ATV

INSPIRED BY ROCK, IT IS STABLE AND DURABLE.

0 NOISE / 0 EMISSION / MULTIFUNCTIONAL / PURE ELECTRIC ATV

## SAFETY PROTECTION

HIGH-STRENGTH ALL-STEEL FRAME  
HYDRAULIC DISC BRAKE



## POWERFUL FORCE

17 KW  
Max Power

70 KM/H  
Top Speed

136 NM  
Max Torque

40°  
Climbing



## SUSPENSION SYSTEM

FRONT SUSPENSION: DOUBLE A-ARM INDEPENDENT  
SUSPENSION  
REAR SUSPENSION: DOUBLE A-ARM INDEPENDENT  
SUSPENSION WITH BALANCE BAR  
GROUND CLEARANCE: 300MM



## POWERFUL ASSISTANT

HOOK TOW RATING: 1500LB  
ELECTRIC WINCH: 2000LB  
TAIL HOOK CAN BE RETROFITTED WITH LAWN MOWERS,  
GROUND LEVELERS, HUNTING TOOLS, ETC.



## ENDURANCE

MILEAGE: 120KM (PRO VERSION LAB DATA)  
VECTOR CONTROLLER FAULT MESSAGE REAL-TIME QUERY





All Terrain Vehicle  
UGV / ATV  
Key Components

Anytime,  
Anywhere,  
Any task!



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