



PRODUCT BROCHURE
2026 edition

DEEP ROBOTICS · ROBOTS USA

Deep Robotics LYNX M20 Omni Terrain Industrial Wheeled Quadruped Robot Dog

Wheeled speed and legged agility in one industry-grade platform for demanding sites.

Built for complex terrain and high-risk environments, this mid-size robot rolls across open ground and steps over obstacles. It carries sensors and payloads where people would rather not go.



Available worldwide from Robots USA · www.robotsusa.com

AT A GLANCE

One body that rolls, steps and climbs

The LYNX M20 is an industry-grade wheel-legged robot. It combines the speed of wheels with the agility of legs. Its mid-size form balances narrow-space mobility with payload and endurance. It is designed for harsh industrial demands.

Wheels and legs combined

Wheeled speed and legged agility share one body. The robot rolls where the ground is firm and uses its legs where the terrain breaks up.

Real payload capacity

The payload capacity is 15 kg, enough for inspection equipment and sensor modules. The maximum load capacity is 50 kg.

Sensing and onboard compute

Dual 96-line LiDAR units and dual wide-angle cameras feed two dual octa-core industrial processors. Perception and planning run on the robot itself.

Stairs, steps and slopes

Continuous stairs of 25 cm and a single step of 80 cm are within reach. The maximum slope is 45°. Discontinuities that stop purely wheeled machines become part of the route.

Endurance for long routes

Unloaded, the robot runs 3 h / 15 km. With a 15 kg payload it runs 2.5 h / 12 km. Charging a single battery takes 1.5 h.

Sealed for the site

The IP66 rating suits dusty and wet sites. The operating temperature runs from -20 °C to +55 °C.



15 kg

PAYLOAD CAPACITY

3 h / 15 km

UNLOADED ENDURANCE AND RANGE

25 cm

CONTINUOUS STAIR HEIGHT

Where the sensing, power and motion sit

LiDAR units

Dual 96-line units scan $360^{\circ} \times 90^{\circ}$ at about 860,000 points per second.

Wide-angle cameras

Two wide-angle cameras provide the visual view of the surroundings.

Industrial processors

Two dual octa-core 64-bit processors, each paired with 16 GB + 128 GB, handle onboard computing.

Bidirectional lighting

Front and rear lights illuminate the path in both directions of travel.



Power and data ports

A 72 V power input and a Gigabit Ethernet port connect payloads and test rigs.

Battery

A single battery charges in 1.5 h.

Wheel-leg drive

Wheeled legs deliver rolling speed together with legged agility.

03

Built for mixed ground and tight spaces



5 m/s

Two speed figures

The lab-tested maximum speed is 5 m/s. The safe operational speed is 2 m/s.

50 cm

Narrow-space mobility

A 50cm clearance lets the mid-size body work in confined passages.

72 v

Ready to integrate

A 72 V power input and Gigabit Ethernet give payloads a direct connection to power and data.

360°

Remote visibility

RF image transmission sends the camera view to the operator. Front and rear lighting supports work in low light.

STANDING

820 × 430 × 570 mm

Omnidirectional obstacle avoidance and point-cloud surround view are enabled through a future OTA update. Self-charging and modular expansion are optional.

Work that suits a wheel-legged robot

Inspection and upkeep

Carries cameras and sensors along routes with stairs, debris and uneven ground at industrial and infrastructure sites.

Hazardous-area scouting

Sends images back by RF so remote operators can assess dangerous areas and support emergency response.

Mixed-terrain site work

Rolls along smooth corridors and roads, then steps over rough sections within a single mission.

Mobility research

Gives laboratories a platform for studying terrain adaptation, navigation and perception-guided locomotion.



TECHNICAL SPECIFICATIONS

Deep Robotics LYNX M20 Omni Terrain Industrial Wheeled Quadruped Robot Dog at a glance

DIMENSIONS & WEIGHT

Weight	33 kg — with battery
Standing dimensions	820 × 430 × 570 mm
Narrow-space clearance	50cm

PAYLOAD & PERFORMANCE

Payload capacity	15 kg
Maximum speed	5 m/s — lab-tested
Unloaded endurance and range	3 h / 15 km
Loaded endurance and range	2.5 h / 12 km — with 15 kg payload
Safe operational speed	2 m/s
Maximum slope	45°
Maximum load capacity	50 kg
Maximum continuous stair height	25 cm
Maximum single-step height	80 cm
Computing power	Dual octa-core 64-bit industrial processors (16 GB + 128 GB) × 2

BATTERY & CHARGING

Charging time	1.5 h — single battery
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NAVIGATION & SENSORS

LiDAR	Dual 96-line units (360° × 90°, ~860,000 pts/s)
Cameras	Dual wide-angle cameras
Omnidirectional obstacle avoidance and point cloud surround view	Enabled via a future OTA update

CONNECTIVITY

Electrical ports	72 V power input, Gigabit Ethernet
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OPERATING ENVIRONMENT

Ingress protection	IP66
Operating temperature	-20 °C to +55 °C

OTHER

Product type	Industry-grade wheel-legged robot that fuses wheeled speed with legged agility
Functional features	Omnidirectional obstacle avoidance, 360° point-cloud surround view, front/rear bidirectional lighting, RF image transmission, OTA upgrades
Optional features	Optional self-charging and modular expansion

Sources: Figures from the manufacturer's published documentation, as verified in the specification table, revision 2.

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Specify the robot for your site

The full specification table follows on the facing page. Use it to match the robot to your terrain, payload and integration needs.

ASSURED

01

Sourced new

Supplied through established distribution channels.

02

Manufacturer warranty

Every unit ships with the full DEEP ROBOTICS manufacturer warranty and official documentation.

03

Support

Technical support is coordinated with the manufacturer's service network.

REQUEST A QUOTATION

Prices and configuration on request.

EMAIL sales@robotsusa.com

WEB robotsusa.com/Deep-Robotics-LYNX-M20-Omni-Terrain-Industrial-Wheeled-Quadruped-Robot-Dog.htm

SEE IT IN ACTION youtube.com/watch?v=zMDHABkwUCw

Robots USA ships worldwide.



SCAN FOR THE PRODUCT PAGE