ROBOTIX MARKET

PRODUCT BROCHURE
2026 edition


LYNX S10 series

DEEP ROBOTICS · WHEELED-LEGGED ROBOTS · ROBOTIX MARKET

DEEP Robotics

LYNX S10
LYNX S10 Pro

Compact wheeled-legged robots of about 21 kg that one person carries, built for rough ground and rough weather

Wheels for flat ground, legs for 20 cm stairs and 50 cm platforms. IP66, –20 to 55 °C. The S10 Pro adds on-board mapping and autonomous navigation.


LYNX S10


LYNX S10 Pro

DEEPRobotics

Worldwide shipping from Robotix Market
robotixmarket.com

OVERVIEW

Small frame, serious capability

The LYNX S10 and LYNX S10 Pro are DEEP Robotics' compact wheeled-legged robots: four legs with 16 joints and a wheel on each foot, in a body of about 21 kg that one person lifts by its side handle. Both share the body, battery and drive. The LYNX S10 is driven by an operator with assisted obstacle avoidance; the LYNX S10 Pro adds a rear LiDAR, three more cameras and a navigation computer, so it maps a site and runs routes on its own.

Carried by one person

About 21 kg with its battery, lifted out of its transport case by the side handle.

Wheels and legs

16 joints and a 6.5 in tyre on each foot: it rolls on flat ground and walks over steps and debris.

Stairs, platforms, slopes

Stairs with steps up to 20 cm, single steps and platforms up to 50 cm, slopes up to 40°.

Made for weather

IP66 against dust and powerful water jets; works from −20 to 55 °C.

Charges itself

Autonomous charging at the optional dock on both models; the swappable battery charges in about 1.5 h.

Open to developers

TCP/UDP protocol, ROS 2 and Motion SDK mode; 8 kg of payload on two rails with 72 V and 24 V power.

21 kg	50 cm	3 h	8 kg	IP66
WEIGHT WITH BATTERY	SINGLE STEP OR PLATFORM	RUNTIME, NO LOAD (14 KM)	CONTINUOUS PAYLOAD	DUST AND WATER JETS

From case to work

THE SAME FIVE STEPS ON BOTH MODELS

1. **Unpack** — Lift it out of the transport case onto stable ground.
2. **Power on** — Slide in the battery, release the emergency stop, switch on.
3. **Connect** — The remote controller joins the robot's own Wi-Fi.
4. **Work** — Drive it in Normal or Assist mode; the S10 Pro also runs routes.
5. **Charge** — Optional dock, charging cable or a battery swap.

Which LYNX S10?

ONE BODY, TWO SENSOR AND COMPUTING SETS



1 + 1
LIDAR + CAMERA

LYNX S10

Driven by an operator, with assisted obstacle avoidance

- One 3D LiDAR and one ultra-wide-angle camera, both at the front
- One octa-core industrial processor for motion control
- Normal and Assist modes, omnidirectional obstacle avoidance
- Autonomous charging at the optional dock



2 + 4
LIDARS + CAMERAS

LYNX S10 Pro

Maps its site and runs routes on its own

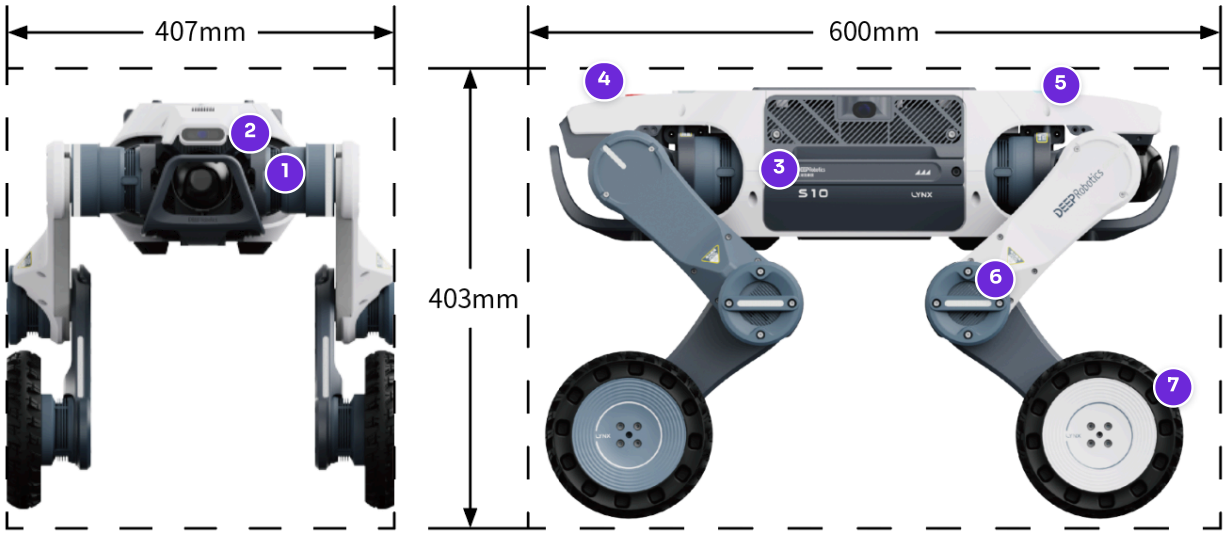
- Front and rear 3D LiDAR, four cameras: front, rear, left and right
- A second octa-core processor for mapping and navigation
- Adds Navigation mode: on-board maps, route planning, obstacle avoidance
- Adds two USB 3.0 Type-C ports for payloads

Everything not listed on the two cards is the same on both models: body, joints, wheels, battery, runtime, payload, climbing figures, IP66 and the temperature range.

LYNX S10 · LYNX S10 PRO

What is where on the LYNX S10

Both models share one body: about 600 × 407 × 403 mm standing and 600 × 520 × 160 mm lying down. The figure shows the LYNX S10; the S10 Pro adds a rear LiDAR at the tail and cameras at the rear and on both sides.



Standing dimensions in millimetres. LYNX S10 shown, front view left and side view right; the hard emergency stop marks the rear.

1 Front 3D LiDAR
Under a protective bar at the head. The S10 Pro has a second LiDAR at the tail.

2 Front wide-angle camera
Live video on the remote controller. The S10 Pro adds rear, left and right cameras.

3 Side handle
Lift the robot by the side handles for one-person carrying.

4 Hard emergency stop
A hardware stop at the rear of the back; the robot restarts once it is released.

5 Light strips
Front and rear of the back, showing the robot's state and direction.

6 Joint modules
Four per leg, 16 in all, for walking, climbing and posture changes.

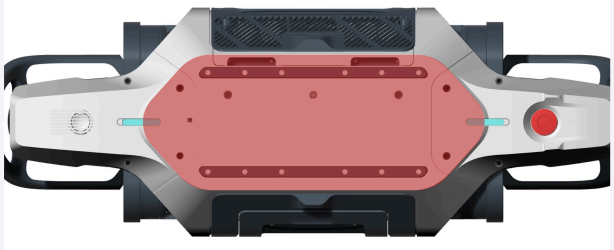
7 6.5 in tyre
A powered wheel on each foot for fast rolling on flat ground.

Swappable battery
72 V, 4.5 Ah. It slides out of the side of the body; four LEDs show the charge.

Aviation connector panel
On the right side: open it for the 72 V charging port and to fit the payload cable harnesses.

On the back: payload area

TOP VIEW · BOTH MODELS



Mount equipment on the two rails: 12 M4 holes. Keep it within the red area, up to 8 kg and about 30 cm high, and leave 10 mm above the rails for the cable outlet. A STEP model of the robot is available for designing brackets.



Sensors per model

SAME POSITIONS, DIFFERENT SETS

LYNX S10
One 3D LiDAR and one ultra-wide-angle camera at the front, speaker and microphone array. Omnidirectional obstacle avoidance.

LYNX S10 Pro
3D LiDAR at the front and rear, four ultra-wide-angle cameras for all-round view, speaker and microphone array. Feeds on-board mapping and navigation.

LYNX S10 Pro: the fields of the four cameras and two LiDARs.

HIGHLIGHTS

Built to go where people should not



IP66 and −20 to 55 °C

Sealed against dust and powerful water jets, for patrols in rain, dust and cold. Not made for immersion.



Autonomous charging

Both models support autonomous charging at the optional dock, for long unattended operation.



Navigation, S10 Pro

The S10 Pro plans its own path on an on-board map and steers round obstacles it senses in real time.



Payload on rough ground

About 8 kg of continuous payload on the back rails, carried up slopes and over loose ground.

Modes and gaits

CHOSEN ON THE REMOTE CONTROLLER

Normal mode

Both models. The operator drives every move, with a speed slider and forward or reverse.

Assist mode

Both models. The sensors help the operator: the robot stops at obstacles and warns with yellow lights.

Navigation mode

S10 Pro. The robot follows its planned route and inspection points without an operator.

Gaits

Basic, stairs, high platform, slope, and posture adjustment for body height and pitch.

Extreme moves

Two-leg stand, handstand, sliding and flair spins. Locked at the factory; DEEP Robotics' after-sales service unlocks them on request.

Remote controller

Handheld, with a screen for live video, battery, range and joint temperatures. An Android phone app is also available.

Before you deploy

OPERATING NOTES FROM DEEP ROBOTICS

Ground

Flat or gently rolling ground, grass, stairs and slopes. Keep it off ice, glass-smooth floors, sharp or broken ground and drop edges.

Weather

IP66 with the battery fitted. Wipe it dry after rain; it is not made for immersion.

Temperature

Works at −20 to 55 °C. Charge batteries at 0 to 40 °C; store at −20 to 70 °C.

Space

Keep 1 m clear around the robot when it starts, and keep the LiDAR uncovered.

Maps, S10 Pro

On-board maps cover areas up to about 50 × 50 m; larger sites are mapped with a handheld scanner and imported.

Power

Charge by cable with the mains adapter, or charge the battery outside the robot. Input voltage for your country confirmed with your quotation.

WHERE IT WORKS

Four jobs DEEP Robotics built it for

Small enough to slip through narrow gaps and light enough to carry in by hand, the LYNX S10 series takes on work that larger robots cannot reach.



Inspection and patrol

SUBSTATIONS · DISTRIBUTION ROOMS · CAMPUSES

Patrols of small substations and distribution rooms, light patrols of communities, campuses and factories, and daily patrol and recording. The S10 Pro runs the rounds on its own.



Reconnaissance and search

EARTHQUAKE AND COLLAPSE SITES

Scouting disaster sites in place of people: small enough to slip through narrow gaps in rubble. Typically driven by an operator, on either model.



Education and labs

UNIVERSITIES · EMBODIED AI

A platform for embodied-AI work and hands-on teaching in universities and laboratories, open through its protocol, ROS 2 topics and Motion SDK mode.



Outdoor exploration

REMOTE TERRAIN · ENVIRONMENT MONITORING

Exploring complex outdoor terrain and monitoring remote areas, carried in by one person and set down at the trailhead.

Payloads shown in the scenes, such as arms, cameras and packs, are examples and not part of the standard robot.

For developers

BOTH MODELS UNLESS NAMED

Monitoring protocol

TCP OR UDP

Heartbeat, motion control, status reports, diagnostics and inspection tasks. Encrypted by default (TLS / DTLS).

ROS 2 topics

DDS

IMU, LiDAR point cloud, robot status, autonomous charging state and velocity commands.

Motion SDK mode

JOINT-LEVEL CONTROL

Switch the robot into SDK motion control and stream joint data at up to 200 Hz.

Models and code

GITHUB

URDF model, reinforcement-learning and deployment code from DeepRoboticsLab, plus a STEP model of the robot.

Payload interfaces

POWER AND DATA

24 V with Gigabit Ethernet, 24 V with 100 Mbit Ethernet, PPS and SBUS, and 72 V; the S10 Pro adds 2 × USB 3.0 Type-C.

SPECIFICATIONS

The two models side by side

Sensors, computing, autonomy and two USB ports set the models apart. A value shown once across a row applies to both.

	LYNX S10 Driven by an operator, with assisted obstacle avoidance	LYNX S10 Pro Maps its site and runs routes on its own
BODY AND MOBILITY		
Standing size (L × W × H)	approx. 600 × 407 × 403 mm	
Lying down (L × W × H)	approx. 600 × 520 × 160 mm	
Weight with battery	approx. 21 kg	
Legs and wheels	4 legs, 16 joints, a 6.5 in tyre on each foot	
Max operating speed*	2 m/s	
Continuous stairs	steps up to 20 cm	
Single step or platform	up to 50 cm	
Slopes	up to 40°, depending on the surface	
Continuous payload	approx. 8 kg	
BATTERY AND CHARGING		
Battery	swappable, 72 V, 4.5 Ah	
Runtime and range, no load	approx. 3 h · 14 km	
Runtime and range, with payload	approx. 2 h · 8 km	
Charging time	approx. 1.5 h	
Autonomous charging	yes, at the optional charging dock	
PERCEPTION AND COMPUTING		
3D LiDAR	**1, front**	**2, front and rear**
Ultra-wide-angle cameras	**1, front**	**4, front, rear, left and right**
Computing	**1 octa-core 64-bit industrial processor (motion)**	**2 octa-core 64-bit industrial processors (motion and navigation)**
Speaker and microphone array	1 each	
AUTONOMY AND CONTROL		
Mapping and localisation	**not included**	**yes, on board**
Autonomous navigation	**not included**	**yes: route planning with obstacle avoidance**
Obstacle avoidance	omnidirectional	
Operating modes	**Normal, Assist**	**Normal, Assist, Navigation**
Control	remote controller with screen · Android app	
Software updates	over the air	
INTERFACES AND ENVIRONMENT		
Payload ports	**24 V + 100 Mbit Ethernet + PPS + SBUS · 24 V + Gigabit Ethernet · 72 V charge/discharge**	**the same three, plus 2 × USB 3.0 Type-C**
Power for payloads	72 V and 24 V, up to 288 W in total (24 V up to 100 W)	
Payload mounting	2 rails, 12 × M4 holes · up to 8 kg, about 30 cm high	
Development	TCP/UDP protocol · ROS 2 topics · Motion SDK mode	
Ingress protection	IP66	
Operating temperature	−20 to 55 °C	

*DEEP Robotics' figure for everyday operation. Top speeds reached in DEEP Robotics' laboratory tests are not available to users, for safety. All figures were measured under ideal conditions and vary with the site.

Figures: DEEP Robotics LYNX S10 product page, LYNX S10 Pro product manual V1.0.2, LYNX S10 hardware development manual V1.0.2 and software guides, 2026. Specifications may change; confirm at quotation.

LYNX S10 for

- Reconnaissance and search with an operator at the controls
- Teaching and lab work on wheeled-legged motion
- Outdoor trips and monitoring with a person nearby

LYNX S10 Pro for

- Patrol and inspection rounds that run on their own
- All-round video from four cameras
- Mapping, navigation and multi-sensor development

NEXT STEP

Get a quotation for your LYNX S10

Tell us where the robot will work, what it should carry, whether an operator drives it or it should run routes on its own, and how many robots you need. We will recommend the LYNX S10 or LYNX S10 Pro, confirm the configuration and options such as the charging dock, and come back with a delivery estimate to your address and a formal quotation.

Request a quotation

Model, options and delivery are confirmed with your quotation. Robotix Market ships worldwide.

Web · robotixmarket.com
Email · info@robotixmarket.com
Phone and WhatsApp · +1 218 500 0191

SCAN OR CLICK FOR EACH MODEL

LYNX S10
Product page

LYNX S10 Pro
Product page

Useful to have ready

- Where it works: indoors, outdoors, terrain and weather
- Driven by an operator, or patrolling on its own
- Any payload you plan to mount, with its power and data needs
- Number of robots and charging docks

Sourced new

Supplied new through established distribution channels.

Manufacturer warranty

Ships with the manufacturer's warranty; the terms for your country are confirmed with your quotation.

Support

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

In the box

LYNX S10 Pro, per DEEP Robotics' packing list: the robot, one swappable battery, remote controller, transport case, power adapter with adapter head, six cable harness packs, M4 hex key, warranty card, product leaflet and certificate of conformity. The LYNX S10 packing list is confirmed with your quotation.

Options

Charging dock for autonomous charging · smart charging hub for charging batteries outside the robot. Both are quoted separately.

See it move

LYNX S10 film: youtube.com/watch?v=RTztxJ2dRNI
S10 developer demo, whole-body leg and arm control: youtube.com/watch?v=uX1TWQSdOvM







Robotix Market is an independent supplier. DEEP Robotics and LYNX are trademarks or product names of DEEP Robotics Technology Co., Ltd., used here to identify the products. Product imagery courtesy of DEEP Robotics. Specifications are subject to change without notice; confirm at quotation. © 2026 Robotix Market.

DEEPRobotics
ROBOTIX MARKET