



u·Log

DELIVER 80

A versatile and modular mobile platform – the basis for the development of solutions for countless use cases



Open platform consisting of mobile base, spine, screen and standard interfaces



Maximum **flexibility** for integrators allowing customized solutions



Human Safety and **Data Privacy** prioritized with highly sensitive sensor technology and certificates



Open **Software Architecture** with specific access levels for different user groups

VERSION: EN-1-1-6-2403-1.0

uLog Deliver 80



Open APIs for customized solutions



No-Code Software user interfaces



Rapid Deployments within minutes



Call Devices and Follow Devices for an easy interaction with the robot



Multi-Robot Fleet Management for global and local efficiency optimization



Task Management including multiple tasks planning



Online Dashboard operation visualization



Door and Elevator Management enabling easy control and utilization of existing automated systems



Interoperability with other AMR / AGV



Real-time Operation data monitoring

uLog adapts seamlessly to your individual requirements thanks to its modular payload configuration and an intuitive yet powerful mission planer. Paired with unchallenged mobility, sophisticated fleet management and functions for remote controls, uLog enhances both your operational efficiency and your staff satisfaction at a competitive price point.

uLog Deliver 80

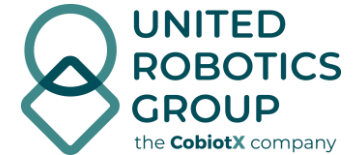
Basic Functions / Equipment

- Load weight up to 80 kg
- Max. speed of 1.2 m/s
- 4 shelf layers (customizable)
- Embedded screen
- Safety LiDAR
- Safety spot & buzzer
- Camera
- Speakers
- LED lights
- Wireless charging

Technical Specifications

Dimensions	Length	570 mm
	Width	500 mm
	Height	1240 mm
Payload	Rated Load	80 kg
	Shelf Configuration	4 shelf layers
	Shelf Dimensions	500 × 424 mm
	Shelf configurations	Can be combined and adjusted into 2-layer, 3-layer, 4-layer
Work Environment	Operating Temperature	-10°C - +65°C ; UV resistance; Corrosion resistant
	Charging Temperature	+5°C - +40°C (indoor)
	Work Environment	Indoor and outdoor in qualified parks/industry zones
	Max. Mapping Area	No limit; Max. 200,000 m ² recommended for a single map
Storage Conditions	Temperature	-20°C - +65°C
Navigation	Max. Speed	1.2 m/s
	Min. Space Width	700 mm
	Passable Slope	8°
	Gap Crossing	Max. 35 mm
	Obstacle Height	Max. 20 mm
	Elevator and Gate Width	Min. 750 mm
	Position Accuracy	± 5 mm / ± 1°
	Navigation Modes	Free / Track / Mixed / Follow

uLog Deliver 80



Sensors	<p>LiDAR Depth Camera RGB camera IMU Wheel Speed Sensor</p>	<p>Detection range 360°, detection distance: 0.02 – 40 m FOV: H 72° (±3°), V 50.5°(±3°), Detection distance: 0.4 ~ 2m FOV 215°, resolution 1280*720 6 DOF; Rate Dynamic Range: ±2000 dps; Accuracy: 0.01° Odometer</p>
Processing Units	<p>Chassis CPU Screen CPU Chassis GPU Screen GPU Chassis Memory Screen Memory Image Processing</p>	<p>ARM® Quad-core Cortex-A72 1.5Ghz ARM® Quad-core Cortex-A55 2.0Ghz VideoCore VI Mail-G52 GPU RAM: 4 GB Dual channel LPDDR4; ROM: 32 GB High speed eMMC RAM: 2GB Dual channel LPDDR4; ROM: 16GB High speed eMMC Support OpenGL ES 1.1/2.0/3.0, OpenCL1.2, DirectX11 Embedded high-performance 3D acceleration hardware H.264/H.265/VP9 up to 4Kx2K@60fps H.264/H.265; The decoder supports 10bit decoding 1080P multi-format video decoding, supporting H.264, VP8 and MVC</p>
Wireless Charging System	<p>Dimensions Weight Input Voltage Input Frequency Output Voltage</p>	<p>375 × 160 × 355 mm 4.35 kg 100 – 240 V 50 – 60 Hz 29.4 V == 7.0 A</p>
Network Communications	<p>4G 5G Traffic quota WIFI Bluetooth</p>	<p>Supported, FDD B1/B3/B5/B8, TDD B38/39/30/41 Support, need to add 5G accessories Each robot is 2G/month Wifi module (AP6256) 2.4G&5GHz, support 802.11a/b/g/n/ac protocol Bluetooth 5.0 BLE</p>

uLog Deliver 80

Weight (empty, incl. battery)	58 kg
Cover Material	ABS Plastic
Battery	Type: Lithium ternary Charging voltage: 24 V Battery Capacity: 15 Ah Operation Time: 10 h Charging Time: 5.5 h Charging Temperature: +5°C - +40°C
Display	10.1", resolution of 1280*720
Connectivity	Open software architecture with different access levels
Expandable Peripherals	Calling buttons, notification lights and speakers, elevator module, automatic door module
Product Safety Compliance	Machine Directive ISO 12100, ISO 13849, ISO 13850, IEC 60204-1 Risk Assessment & Design (ISO 12100) ISO 3691-4
Electromagnetic Compatibility (EMC)	EMC Directive (EN IEC 62196, IEC 61000-6-2 , IEC 61000-6-4)
Restriction of hazardous substances	DIN EN IEC 62321
Radio Certification	Radio Equipment Directive (ETSI EN 489-1, ETSI EN 489-17, ETSI EN 489-52) ESI EN 300 238 ESTI EN 301 908-1, ETSI EN 301 908-13 EN 1175 EN IEC 62311 :2020

uLog Deliver 80

IP Rating	Whole body: IP43; Battery: IP66
Charger Safety Compliance	Low Voltage Directive
Battery Safety Compliance	UN38.3
Software	<ul style="list-style-type: none"> APP remote management. Robot management platform Remote monitoring platform Remote deployment management platform Remote scheduling management platform Real-time data visualization
OS	Android 11 + Linux (Ubuntu)
Interfaces	<ul style="list-style-type: none"> Restful APIs Open API/SDK at the chassis level Compatible with WMS, MES, RCS Systems

uLog Deliver 80

Product Views

