

iLogistics™ Data Sheet - Cold Chamber Robot



Designated use

Collaborative mobile robot

for internal transportation of roll cages and pallets in cold chain logistics for inbound, picking and outbound warehouse operations

Dimensions

Length	1340 mm
Width	760 mm
Height	170 mm
Weight (without load)	205 kg
Load surface	900 x 760 mm

Color

Blue (Optional customisation)

Payload

Robot Payload	1000 kg (300 kg; 600 kg; 1000kg)
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Speed and performance

Battery run time	12 hours to 18 hours
Maximum speed	2m/sec (7 km/h)
Ramps and inclines	5% incline of 10 meters with 0.7 m/s

Power

Battery	Li-ion 48V, 60Ah
Charging time	2 hours
Battery charging cycle	Minimum 700 cycles
External Charger - Cable or Dock	Input: 100-230 V AC, 50-60 Hz / Output: 48V DC, max 32A

Environment

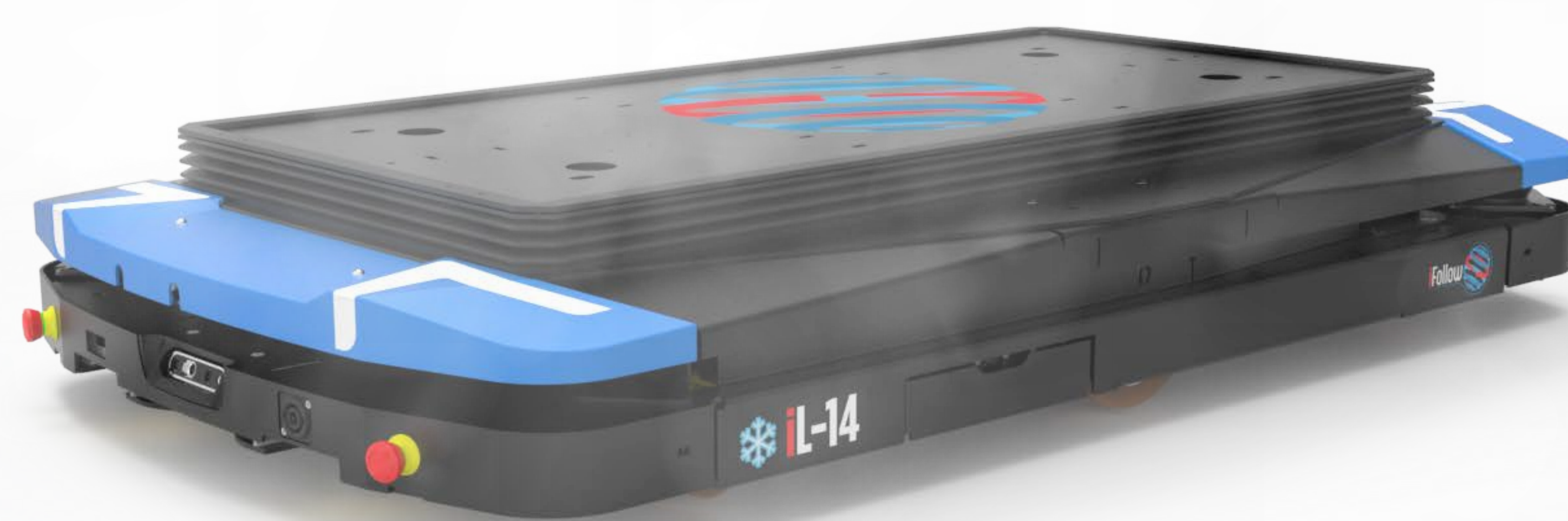
Ambient temperature range	-25°C to 40°C
Certifications	Compliant with ISO/EN 13849, NF/EN 3691-4 CE Certification

Communication

WiFi	Dual-band wireless 2,45 / 5 Ghz
I/Os	Ethernet connection - LORA USB connection - Plug access
Remote controller	For manual control according to EN 3691-4

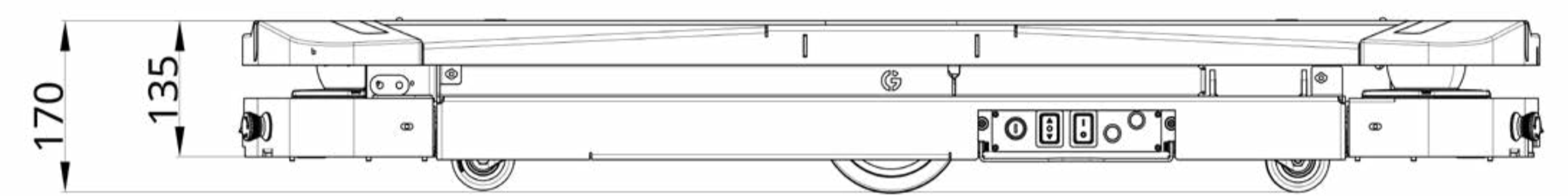
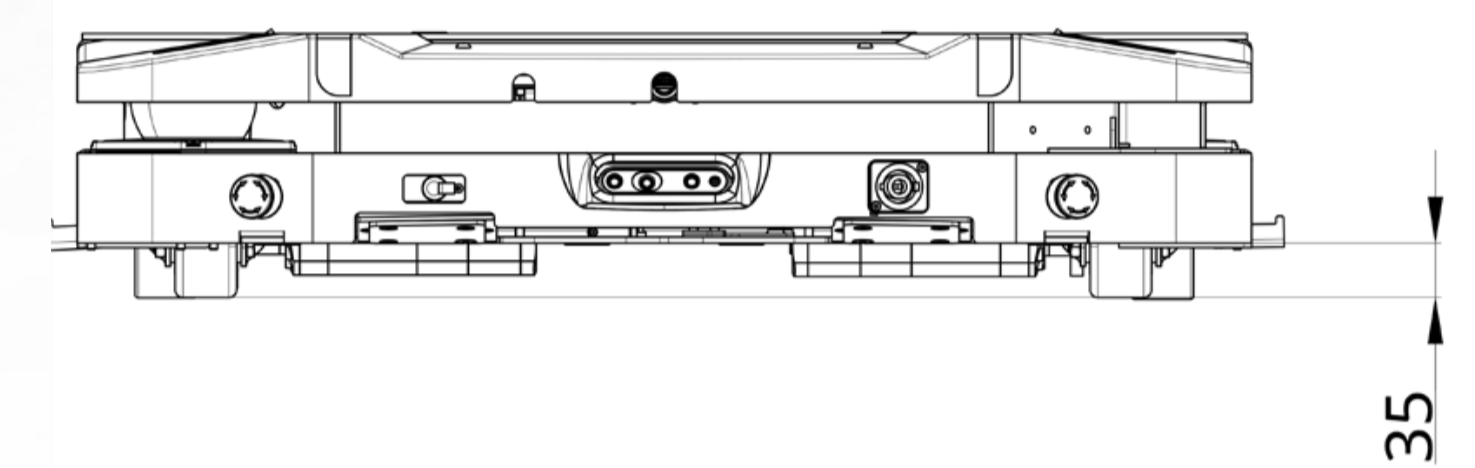
Sensors

Nanoscan Certified Safety Lidar (2 pcs.)	360° visual protection around robot
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iFollow
collaborative robotics



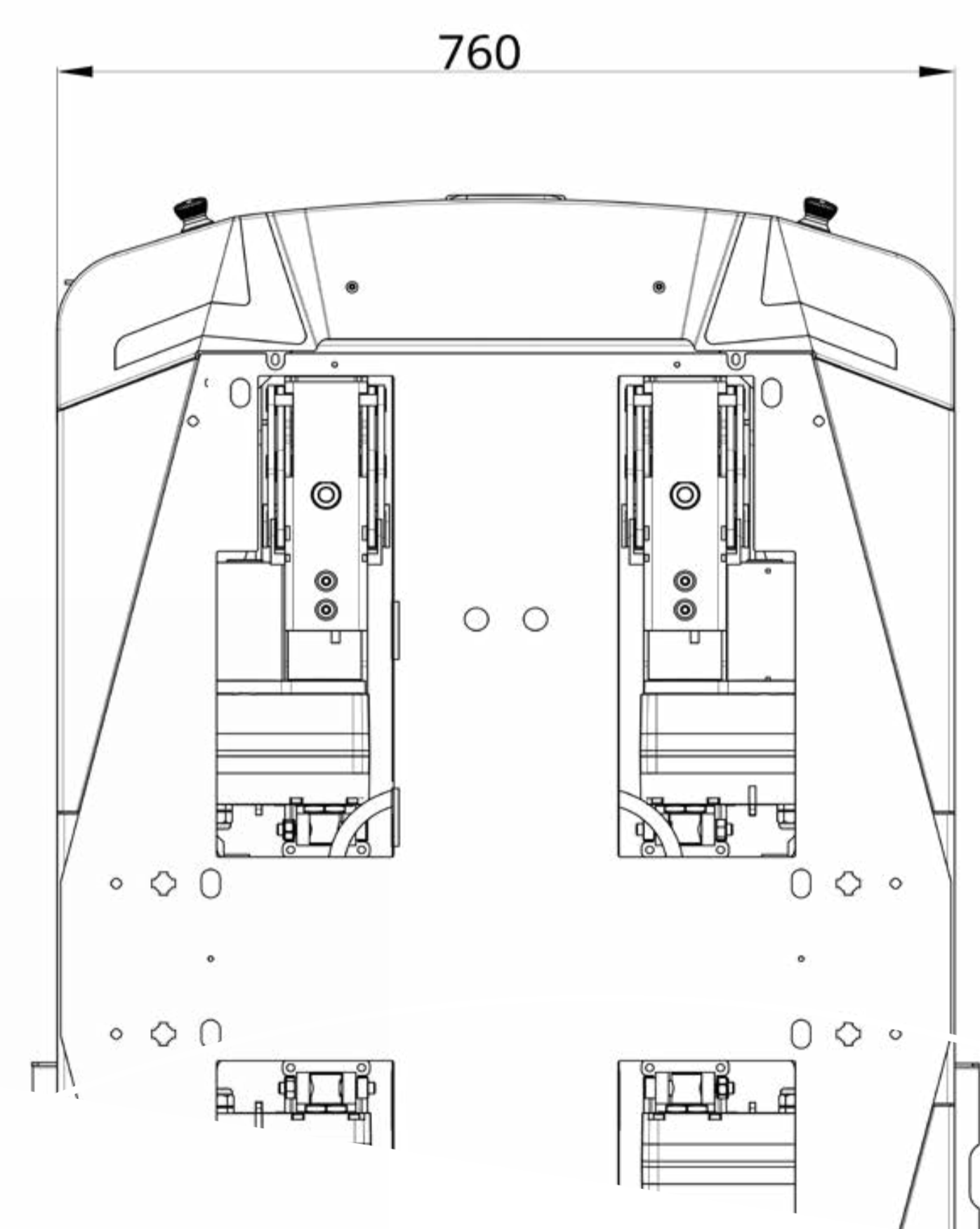
Environment perception

Pin-point precision

The two lasers of our robots provide a centimetric accuracy mapping of the facility.

“360 secured” Technology

Sick safety lidars and 3D cameras are positioned around the robots to prevent any collision risk



Frozen environment

- * Transport of up to 1000kg pallets from cold store to loading docks
- * Non-stop service with our revolutionary anti-condensation system
- * Carrying pallets from -25 °C to positive temperatures



OPERATING TEMPERATURE
FROM -25°C +40°C

