

N270

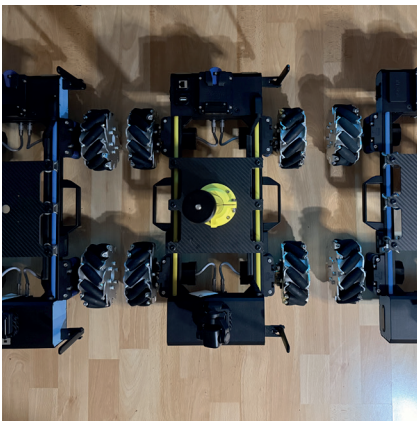
UGV



**THE TRAVELLING PAYLOAD MOUNT
FOR SENSITIVE SECURITY APPLICATIONS
REACHES ALMOST EVERY LOCATION**

FEATURES

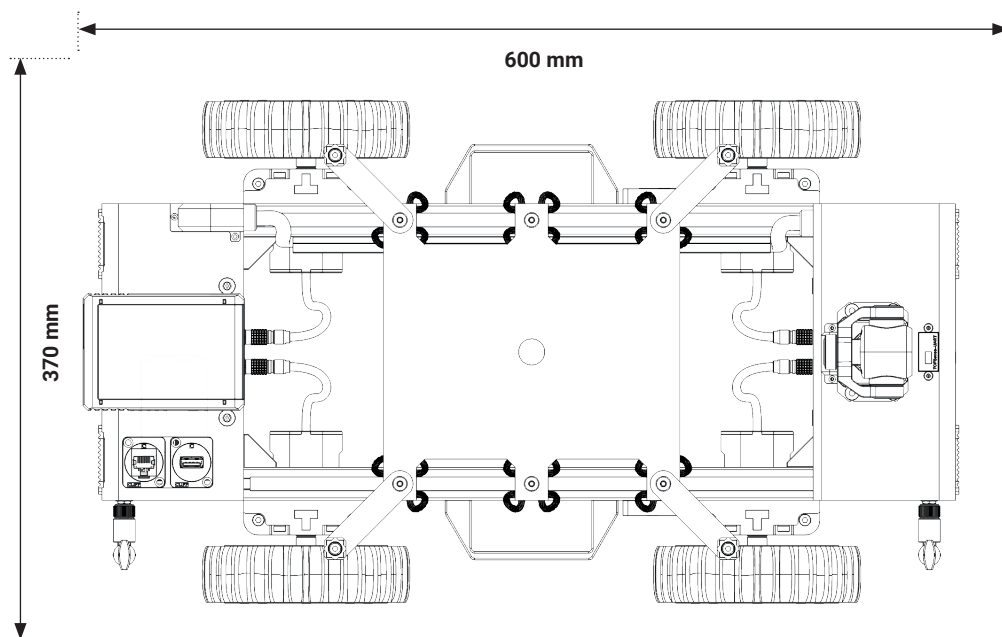
- DISTANCE MEASUREMENT IN 4 DIRECTIONS WITH ACOUSTIC WARNING
- CEILING HEIGHT MEASUREMENT WITH ACOUSTIC WARNING
- 3-AXIS GIMBAL CAMERA WITH NIGHT VISION MODE
- WIDE-ANGLE REVERSING CAMERA
- 4 LED HEADLIGHTS INDIVIDUALLY SWITCHABLE FRONT/REAR
- 4 INDIVIDUALLY SUSPENDED WHEEL DRIVES WITH HYDRAULIC SHOCK ABSORBERS
- VIBRATION-DECOUPLED PAYLOAD PLATFORM WITH UNIVERSAL MOUNT
- VIDEO STREAM TRANSMISSION TO CONTROLLER
- REAL-TIME TELEMETRY OSD
- VIDEO RECORDING IN N270 UGV OR CONTROLLER
- ONBOARD ETHERNET SWITCH
- ETHERNET PORT FOR CUSTOM PROTOCOLS
- HDMI INPUT FOR CUSTOM VIDEO SIGNAL SOURCES
- ONBOARD POWER PORT 12V 4A, FOR CUSTOM PAYLOADS
- OMNIWHEEL / STEERING WHEEL CONFIGURATION SWITCHABLE



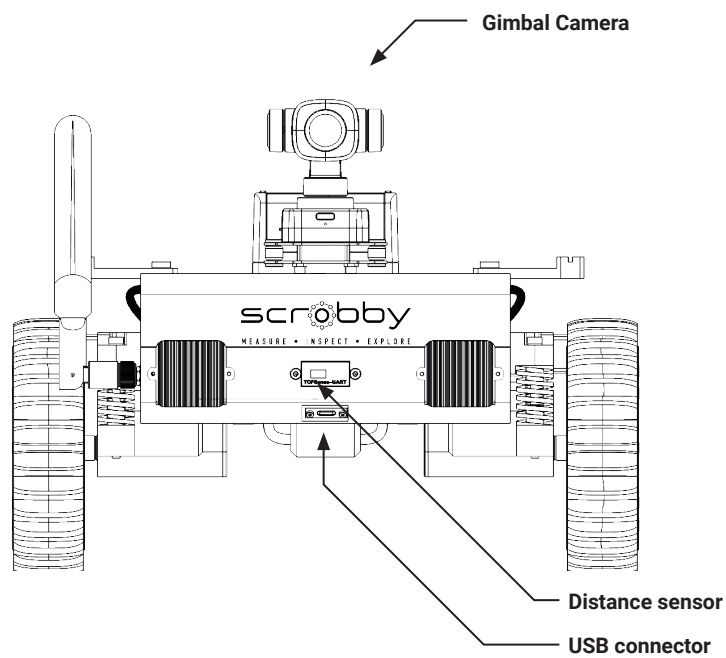
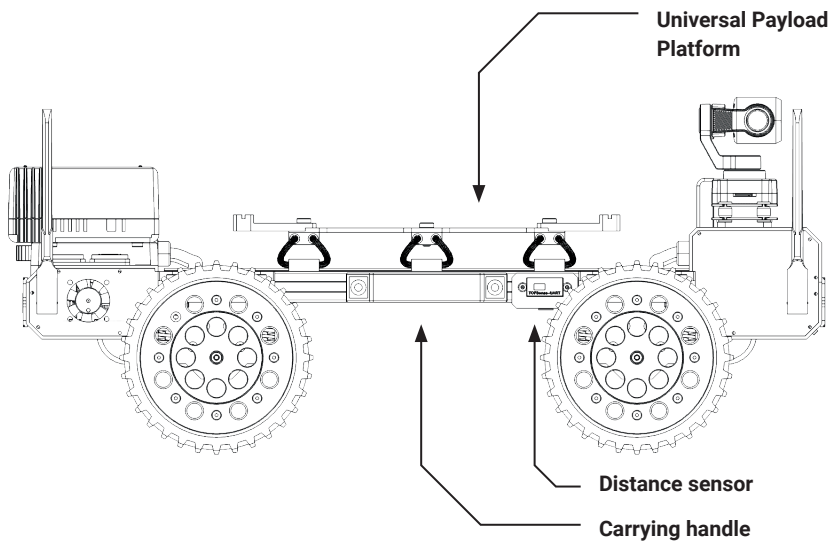
TECHNICAL DATA

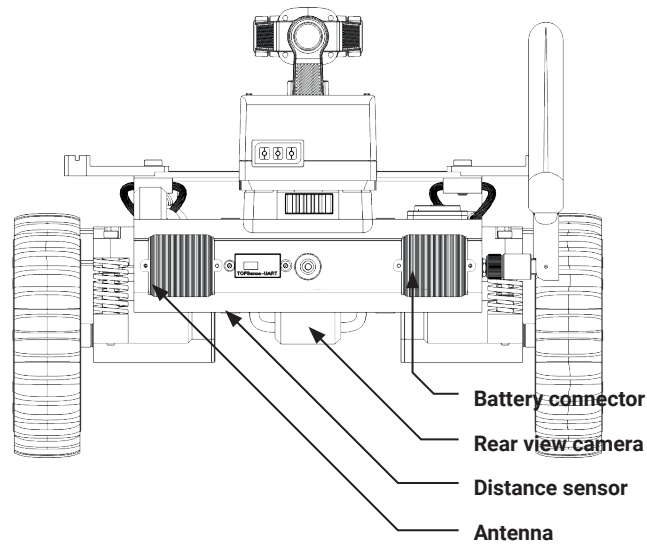
DIMENSIONS	370 MM X 600 MM X 115 MM
GROUND CLEARANCE	5 CM
TYRES	12,5CM Ø
MOTORS	BRUSHED GEAR MOTORS 1:90
OPERATING VOLTAGE	12V
ENERGY SUPPLY	LITHIUM-ION BATTERY 4S1P 8.000 MAH
EMPTY WEIGHT	5000 G
MAX. WEIGHT	20 KG
SPEED	1M/S MAX.
WORKING TEMPERATURE	-10°C TO +40°C
TRAVELLING TIME	60 MIN.
OPERATING TIME	3 HOURS
INDOOR RANGE	100 M MAX.
OUTDOOR RANGE	5 KM MAX.

DIMENSIONS



DESCRIPTION





SCOPE OF DELIVERY

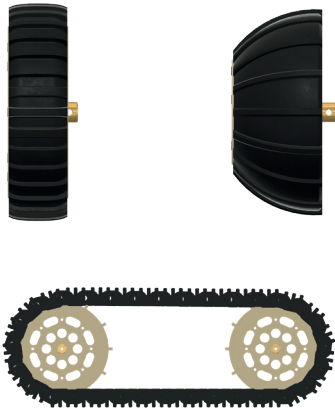
- N270 WITH UNIVERSAL PAYLOAD PLATFORM FOR 5/8 INCH TRIPOD SCREW
- 1 BEBOB BATTERY 16.8V 4S 8000MAH
- 1 BEBOB BATTERY CHARGER
- TRANSPORT TROLLEY

OPTIONAL

- MECANUM OMNI WHEELS
- BATTERIES
- V-MOUNT BATTERY ADAPTER
- GPS SENSOR FOR AUTONOMOUS OUTDOOR MISSIONS
- QUICKMOUNT PRISMS FOR POSITION MEASUREMENT
- CUSTOMISED PAYLOAD PLATFORMS FOR YOUR APPLICATION
- THERMAL IMAGING / RGB ZOOM CAMERA GIMBAL

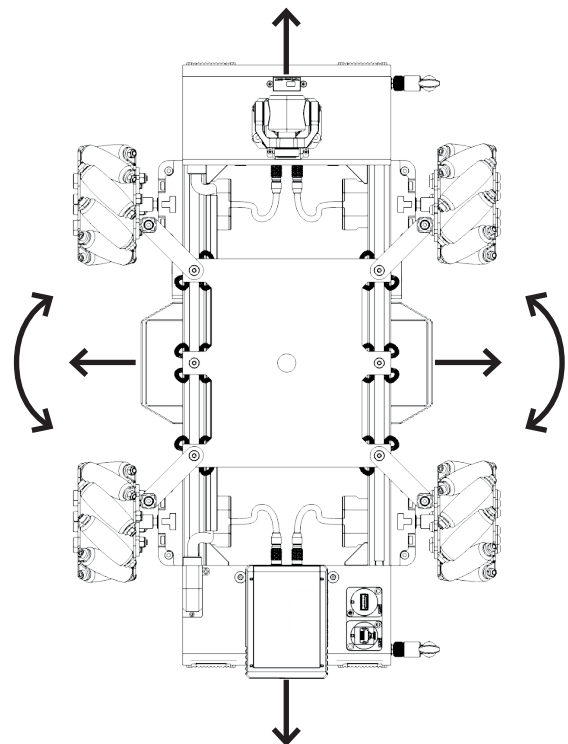
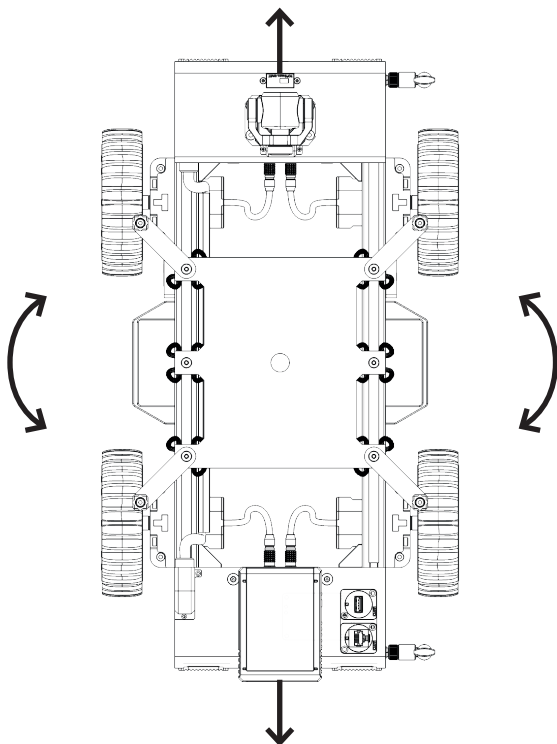
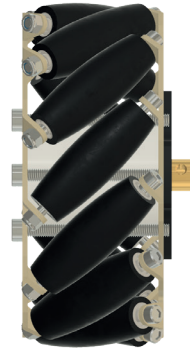
WHEELS / CHAINS

- FOR UNEVEN AND DIRTY SURFACES
- MORE GRIP

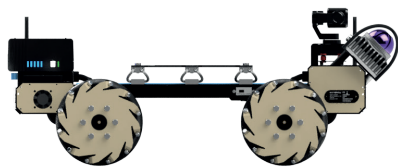


OMNI WHEELS

- FOR SMOOTH SURFACES SUCH AS INDUSTRIAL FLOORS
- HIGH MANOEUVRABILITY

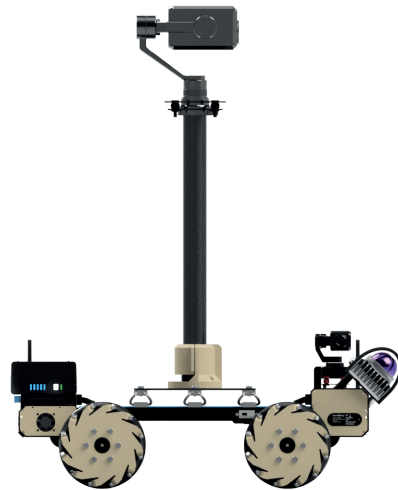


APPLICATION EXAMPLES



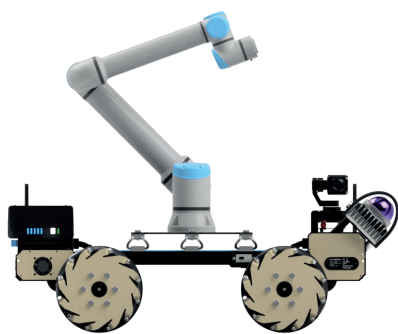
UNIVERSAL MOUNT

MOUNT YOUR INSTRUMENTS OR SENSORS
VIBRATION-DECOUPLED ON THE UNIVERSAL MOUNT



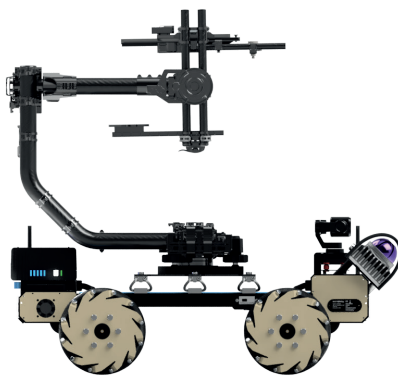
TELESCOPE MOUNT

MOUNT A ZOOM CAMERA ON THE ELECTRONIC
TELESCOPE TUBE (UP TO 2,5 METERS HIGH)



MANIPULATOR

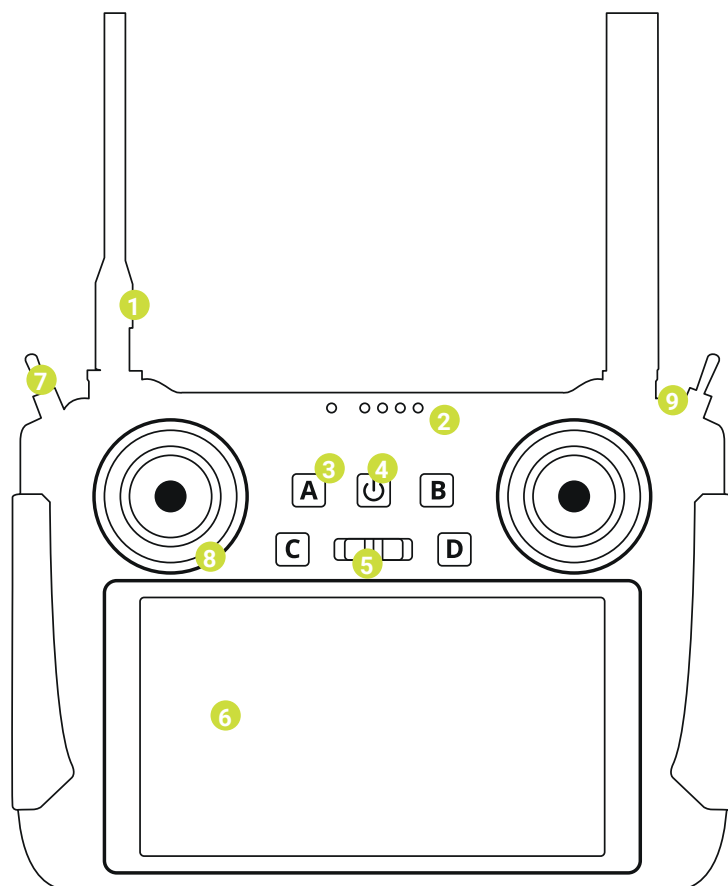
ROBOT ARMS UP TO 10KG FOR HAZARDOUS WORK IN INAC-
CESSIBLE PARTS OF BUILDINGS



DOLLY CAMERA

USE THE N270 AS A DOLLY CAMERA TROLLEY WITH
VARIOUS GIMBALS

N270 UGV CONTROLLER



- | | | |
|---|---|--|
| 1 | Antenna | |
| 2 | Status LEDs | |
| 3 | Function Buttons | Light front / back |
| 4 | Power button | |
| 5 | 3-Positions button | mode Omniwheels / Offroad Wheels |
| 6 | Telemetry and Video Display | |
| 7 | Left and right 3-position switch | arm, disarm / acoustic distance warning |
| 8 | Left and right control stick | turning / steering / forward / sideways |
| 9 | Left and right wheel on the bottom side | Gimbal control |



CONTACT AND INTERNATIONAL SALES

N9 Robotics GmbH

🏠 Boschstr. 6
37412 Herzberg am Harz

☎ +49 (0) 5556 9144400

📱 +49 (0) 151 22946361

📠 +49 (0) 5556 9144401

✉ office@n9r.ai

🌐 <https://n9r.ai>

📘 [facebook.com/n9robotics](https://www.facebook.com/n9robotics)

📷 [instagram.com/n9r.ai](https://www.instagram.com/n9r.ai)

🌐 [linkedin.com/company/n9r](https://www.linkedin.com/company/n9r)

📄 github.com/n9rai