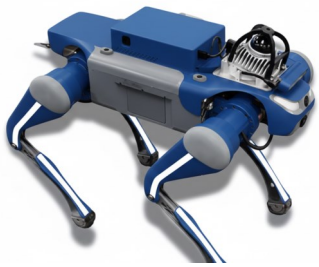
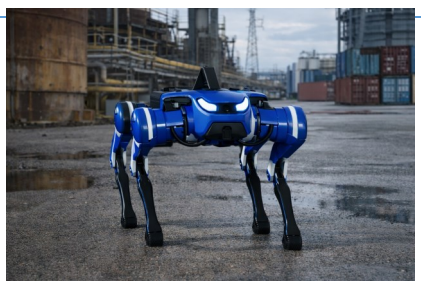


MQ01 Pro LIDAR 2

The smallest model in the Manoïd range

General technical data	• **Weight (with battery): 13.7 kg ± 1 kg** • **Length × width × height (standing): 610 × 370 × 503 mm** • **Battery life: 1.5 to 2 hours** • **Range: 2.7 km** • **Payload capacity (continuous operation): 5 kg**
Standard Equipment	• 1 set of integrated wide-angle cameras: horizontal field of view 130°, 1920 × 1080 at 30 frames per second • 2 sets of integrated ultrasonic radars • Power output (5 V / 24 V) • Communication interfaces (Ethernet / USB 3.0 / HDMI / WiFi) • 1 depth camera: Intel RealSense D435i • 1 LiDAR (Mid360): detection range of 40 m at 10% reflectivity, 70 m at 80% reflectivity • Equipped with NVIDIA Jetson Xavier NX (Ubuntu) and integrated ROS
Key performance indicators	• Automatic detection: automatic front and rear stop / person tracking / obstacle avoidance • SLAM (simultaneous localisation and mapping) and navigation
All-terrain mobility in real conditions	• Rough or unstable terrain • Wet or slippery areas • Steps up to 15 cm
Sensors	• Thermal PTZ camera • Loudspeaker • 5G modem • 4-in-1 module (loudspeaker + microphone + spotlight + red/blue beacon)

▲ **Remote not included**



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