MQ03

Enhanced industrial robustness & increased power

General technical data	**Dimensions (standing): 1000 × 715 × 470 mm** **Weight: 59 kg (battery included)** **Protection rating: IP67** **Operating temperature: -30 °C to +60 °C** **Interfaces: 72 V power supply (BAT), Ethernet output**
Embedded intelligence & autonomous navigation	Autonomous navigation in complex environments Ability to climb industrial stairs (slopes up to 45°) Instant response to unexpected situations Advanced perception system (sensor fusion) Navigation possible in total darkness, bright light, or extreme environments Compatible with SLAM, mapping, and ROS / ROS2
2 AVAILABLE VERSIONS	**STANDARD version when:** • Standard industrial automation tasks are required • Local network connectivity is sufficient • Budget constraints are a priority • Basic autonomous navigation meets requirements **PRO version when:** • Integrated GPS navigation is required • Local network connectivity is insufficient • Advanced autonomous navigation is required
Key Performance indicators	Payload per tactical pack: max. 20 kg Battery life with 20 kg tactical pack: up to 2.5 hours Overall endurance: 2.5 to 4 hours Maximum user speed: up to 5 m/s Maximum technical speed: ≥ 4 m/s Maximum slope: ≤ 45° Step/obstacle clearance: ≥ 20 cm Range: ≥ 10 km
All-terrain mobility in real conditions	Stairs up to 45° Industrial staircases Complex environments Low-visibility areas Extreme weather conditions Operation possible in disaster areas
Sensors	Compatible with all MQ02 accessories Additional spotlights available Acoustic imager available PRO version: USB 2.0, USB 3.0, Ethernet, WiFi, power outputs 5V / 12V / 24V

▲ **Batteries and remote control not included**

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