Data sheet

AMY Dry-fog superfine mist sterilizing Robot

Autonomous, automatic disinfection robot with dry-fog mist nozzle system spraying disinfectant hydrogen peroxide solution

Features

- Robot with autonomous navigation system, managing complex environments like hospitals, laboratories, ORs/ ICUs, schools, warehouses
- Driving system by laser, LIDAR, Radar, multiple sensors
- Efficient disinfection rate: log4 to log6 spectrum
- Dry fog sterilization system replacing traditional formaldehyde for its strong capacity up to log6 efficiency (*Bacillusstearothermophilus)*
- Dry-fog nozzles with power air diffusion for a sterilization volume from 20 to 500 cubic meters of air, per single unit
- Unmanned operation, self-charging at fixed stations
- Chassis suspension system, to stabilize the robot travel

Technical specifications

- Robot body: PC+ABS and aluminum
- New dry fog system, average drop dia. 10 µm- not wetting any surface
- Dry fog of sporicide: concentration of hydrogen peroxide: 5.07.9% containing peracetic acid less than 0.4%
- Processor: Intel® J1900 Quad-core 2.0Hz- Intel® Bay trail SOC chipset
- Autonomous navigation: multi-sensor lasers, speedometer, gyroscope, LIDAR
- High-precision laser positioning, laser measuring precision: ±2cm
- Intelligent obstacle avoidance even under low light conditions
- Motor torque: 8.1Nm (high load but low power consumption)
- Dimensions: 540mm x 580mm x 1,250mm (h)

Certifications

- CE Certification ad Directive LVD 2014/35/EU
  Test standards: EN 60335-1 :2012+A11 :2014+A13:2017
- ROHS 2 Certification, Directive 2011/65/EU Annex II2015/863 amended by EU 2017/2102; Test standards: IEC 62321-4:2013+AMD1 :2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017

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Key features

Totally autonomous
Dry-fog: no wet surfaces

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