



## Document

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## Item code

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## Key features

Totally autonomous  
DR over 99.99%, dual mode



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# Data sheet

## AMY UV-C autonomous sterilizing robot



**Autonomous, automatic disinfection robot with dual sterilization mode:  
UV-C light and internal air circulation with UV-C and HEPA filtration**

## Features

- Robot with autonomous navigation system, managing complex environments like hospitals, ORs and ICUs, laboratories, schools, factories, warehouses
- Driving system by laser, LIDAR, Radar, multiple sensors
- Efficient disinfection rate: over 99.99% germs, bacteria and viruses such as MERS-CoV, 2019-nCoV, SARS-CoV, Ebola-virus, Influenza A-H7N9, H1N1
- PM2.5, formaldehyde, TOVC and other substances removed by HEPA filtration
- Dual mode: compressed UV-C light and internal air recirculation
- No need of disinfection liquids or chemicals
- Unmanned operation, self-charging at fixed stations
- Chassis suspension system, to stabilize the robot travel

## Technical specifications

- Robot body: PC+ABS and stainless steel, medical grade
- Dual disinfection mode: internal air circulation by UV and HEPA filters and UV-C external light pulses
- Processor: Intel® J1900 Quad-core 2.0Hz- Intel® Bay trail SOC chipset
- Autonomous navigation: multi-sensor system based on laser beams, 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: 450mm x 580mm x 1,740mm (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 II 2015/863 amended by

Directive 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