



# SERVICE ROBOT UVC STERILIZATION

AKINROBOTICS



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# UVC Sterilization

UV-C Sterilization Robots provide stable and precise sterilization in closed and contaminated areas with high risk rates in the fight against viruses and bacteria. With the use of UV-C Sterilization robots developed by AKINROBOTICS and performing sterilization with 254nm UV wavelength, it is offered as a solution proposal in hospital rooms and corridors, operating rooms, dining halls, food companies that need high sterilization, gyms, children's playgrounds and many other sectors. With the UV-C Sterilization robot, you can provide your customers with a fully safe and healthy environment without the need for additional workforce.



# Features

- By making date and time planning, you can have sterilisation outside your working hours without labour force.
- It has an autonomous working principle with its mapping system. By programming with the autonomous navigation feature, you can make it navigate and work on its own without hitting obstacles.
- By sterilising, it can destroy all bacterial and viral development in the environment and provide sterile assurance for about 7 days.
- It eliminates the possible risks to living things with its features of sound and light warning before operation, warning people in the environment and starting to work with countdown.
- When any movement is detected in the environment during operation, the system automatically switches off the UV-C lamps, and at the end of the work, it terminates its duty with a sound and light warning system.
- Our robot plans its work according to the current charge/power balance. If it calculates that it cannot finish sterilisation in the closed area where it will autonomously navigate, it does not start sterilisation. It first goes to the charging unit and gets charged, then continues sterilisation.



# Technical Specifications

## UV Wavelength

254 nm(UV-C)

## Autonomous Navigation

There is

## UV Impact Area

360 °

## UV Fluorescence

90 cm-8 pieces

## Total Weight

54 kg

## Battery

Lithium Ion

## Maximum Speed

0,5 m/s

## Indoor Navigation

There is

## Active Use Area

Interior Spaces

## Dimensions

50X60X143 cm

## Audible Warning System

There is

## Autonomous Charging

There is

## Voice Notification Languages

English, Turkish

## Control

AR-GUI

## Sterilization Time (30 m²)

15 min



# Color Options



**White**

# UVC Sterilization Robot Available for use Fields

01

MALL

02

BANK

03

ENTERTAINMENT CENTER

04

PRODUCTION FACILITIES

05

HEALTH SECTOR

06

BUS STATIONS

07

AIRPORTS

08

SCHOOLS

09

RESTAURANTS

10

SPORTS HALL



# THANK YOU



## AKINROBOTICS

Robot Factory

 444 40 80

 [www.akinrobotics.com](http://www.akinrobotics.com)

 Tatlıcak, D330 No:116, 42030  
Karatay/Konya

