Geek+

Lavender

Smart UV Disinfection Robot
Product Manual

LAVENDER

Lavender, the smart UV disinfection robot, kills 99.99% of bacteria and supports 24/7 unmanned operations. It features automatic navigation, motion control, charging, detection of obstacles, and sterilization.

Public Safety Always Comes First

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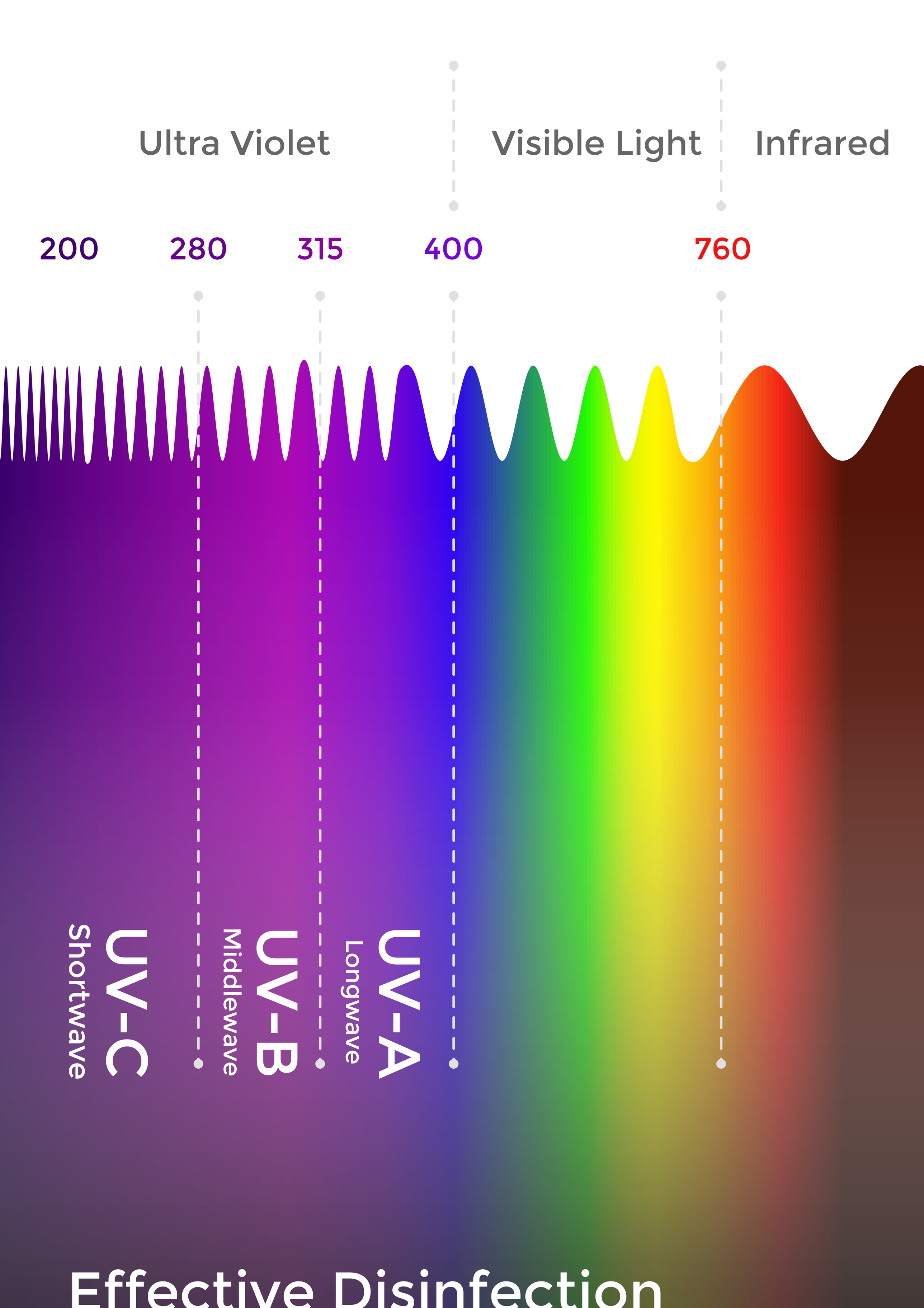


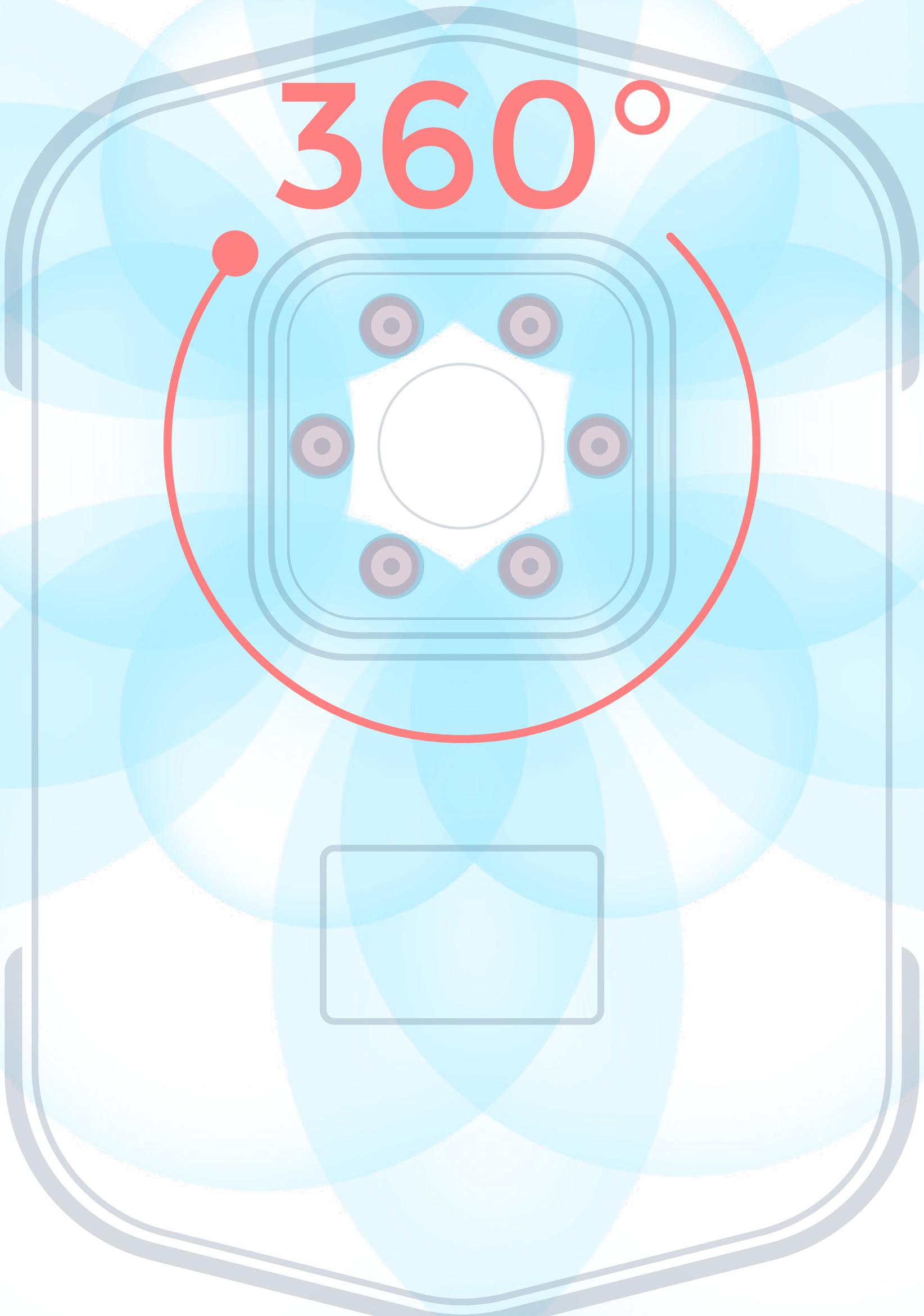
Effective Disinfection

Lavender uses UV-C light with a peak band of 253.7 nm to destroy DNA and RNA structures of bacteria and viruses.

Extensive Disinfection

- High Illuminance
- UVC Radiation
- Six 145 uW/cm2 UV Lamps

Adopts flange layout and overlapping design of adjacent lamps which covers 1.2m of height and a 360° degree range, for extensive disinfection of facilities.



360° Degree Range using 6 UV Lamps

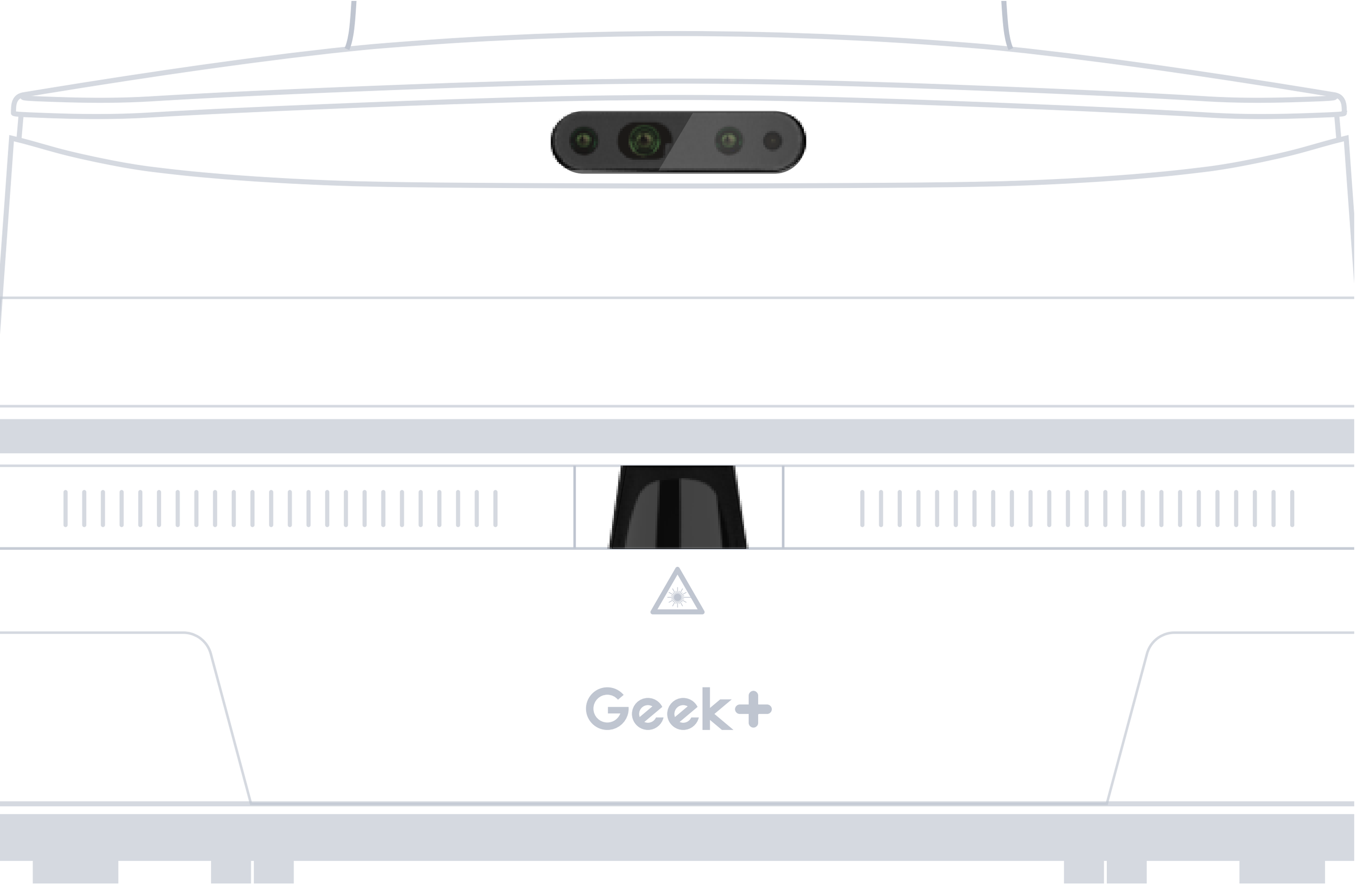
Systematic Disinfection

The smart UV disinfection robot reaches blind spots and is highly user-friendly. The visual interface allows the user to control operations from afar using electronic devices for systematic and regular disinfection.

Standard Mode
Automatically performs unmanned full-map disinfection at a default duration.

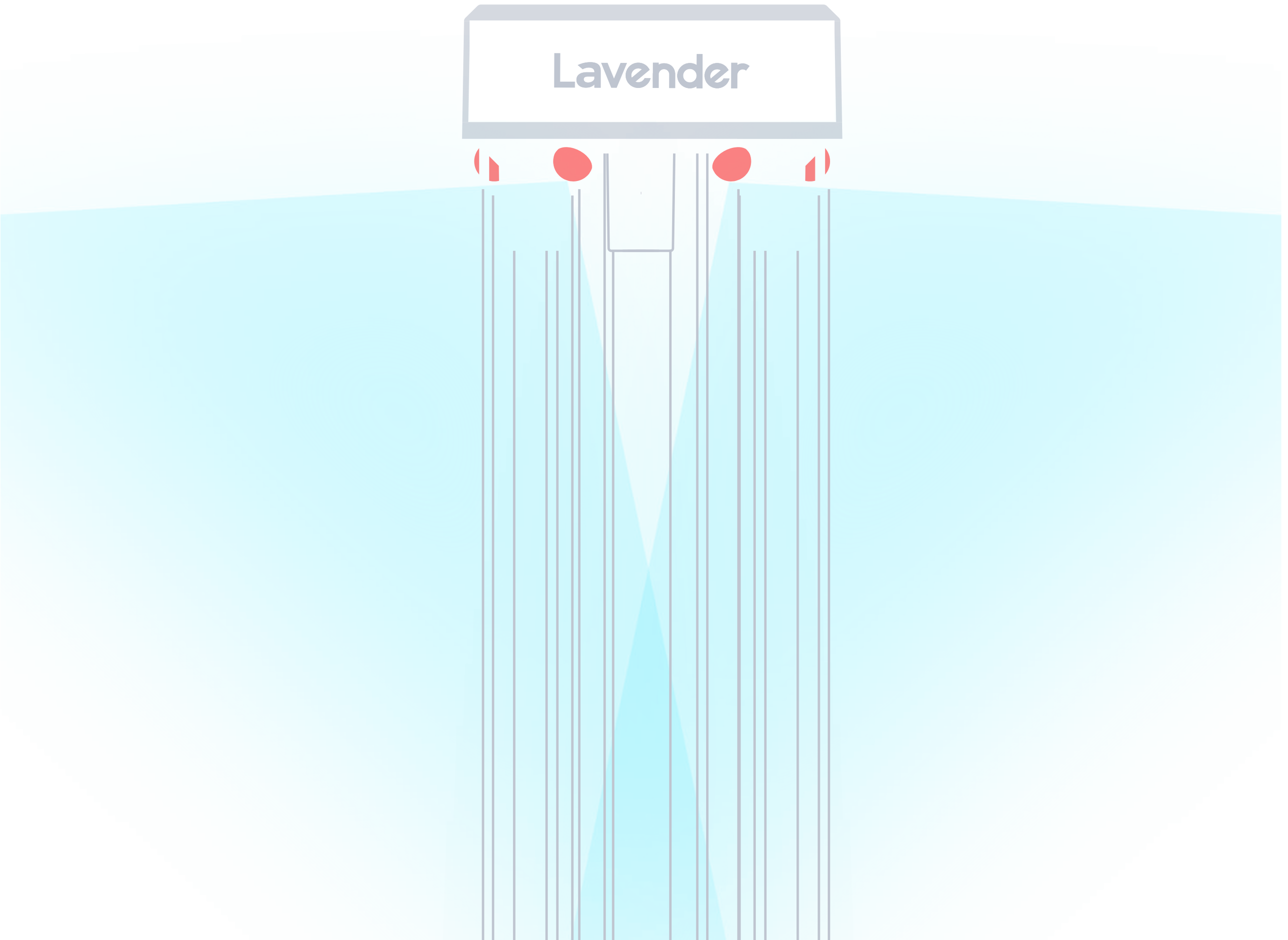
User-Defined Mode
Automatically performs unmanned disinfection along a pre-set route at a user-defined duration.

Static Mode
The remotely controlled robot reaches a specific spot and completes disinfection.



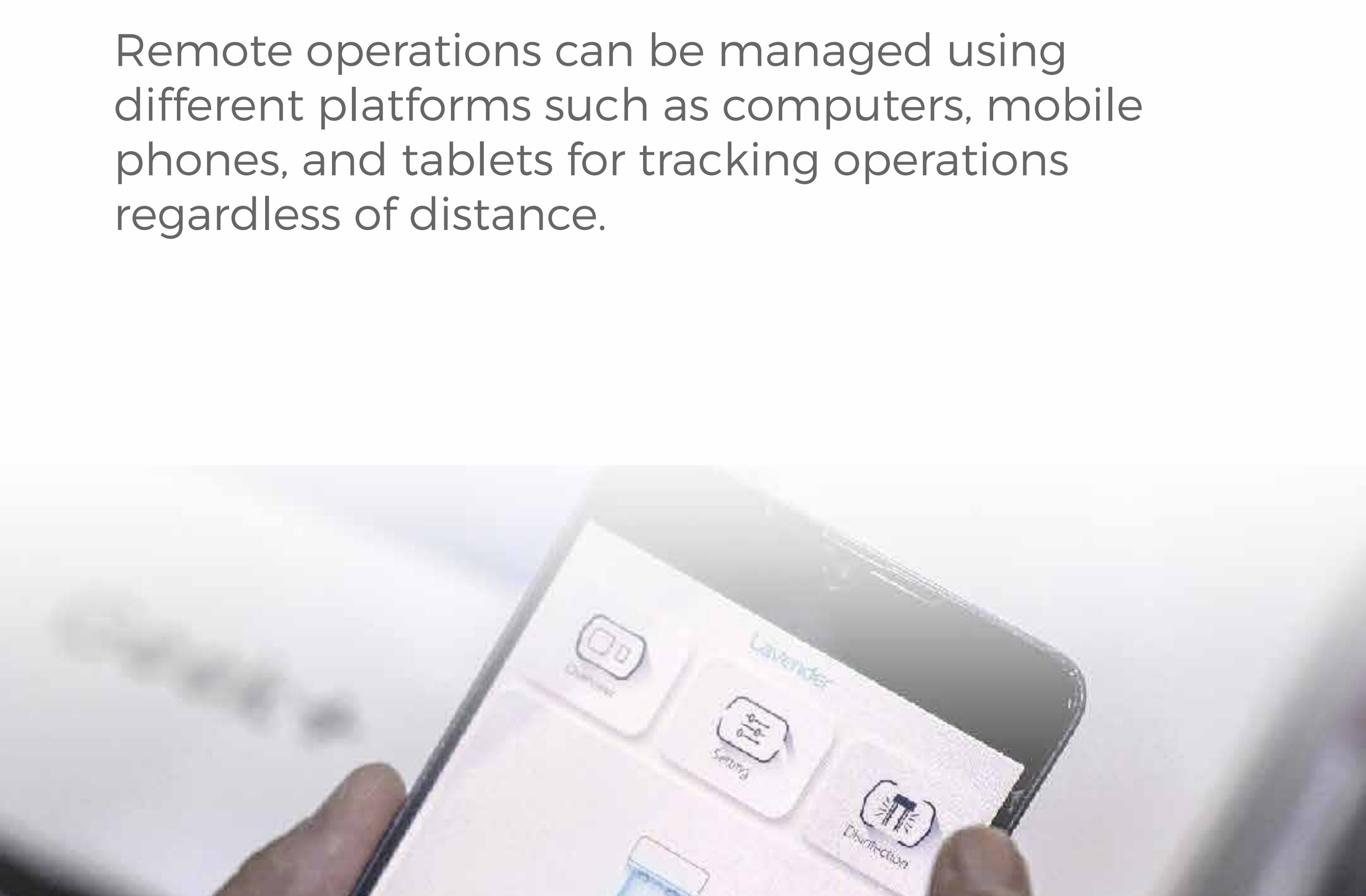
Safe Disinfection

Equipped with multi-sensors and intelligent algorithms, the robot will shut down the UV lamps automatically if it detects a person nearby.



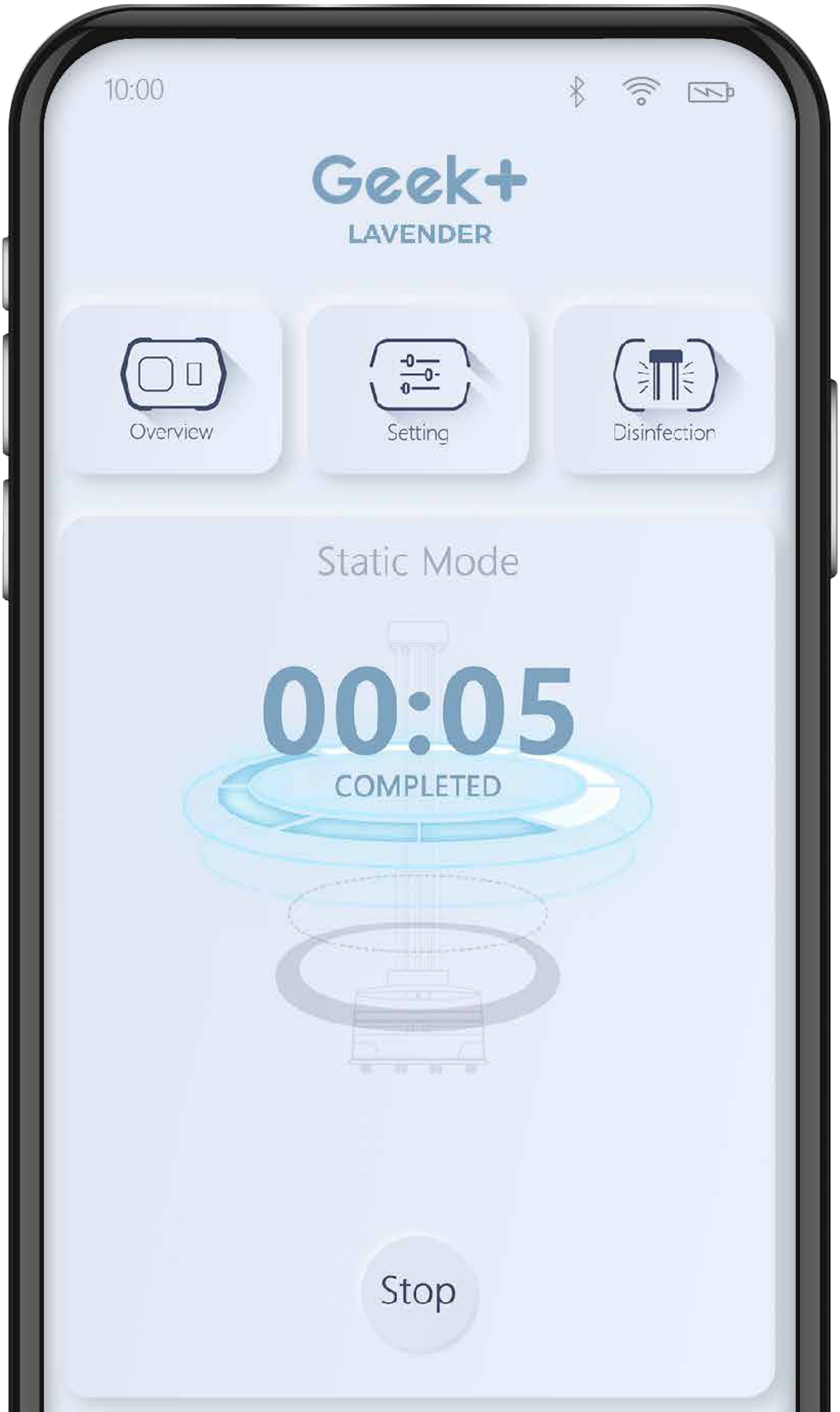
Multi-platform Compatibility

Remote operations can be managed using different platforms such as computers, mobile phones, and tablets for tracking operations regardless of distance.



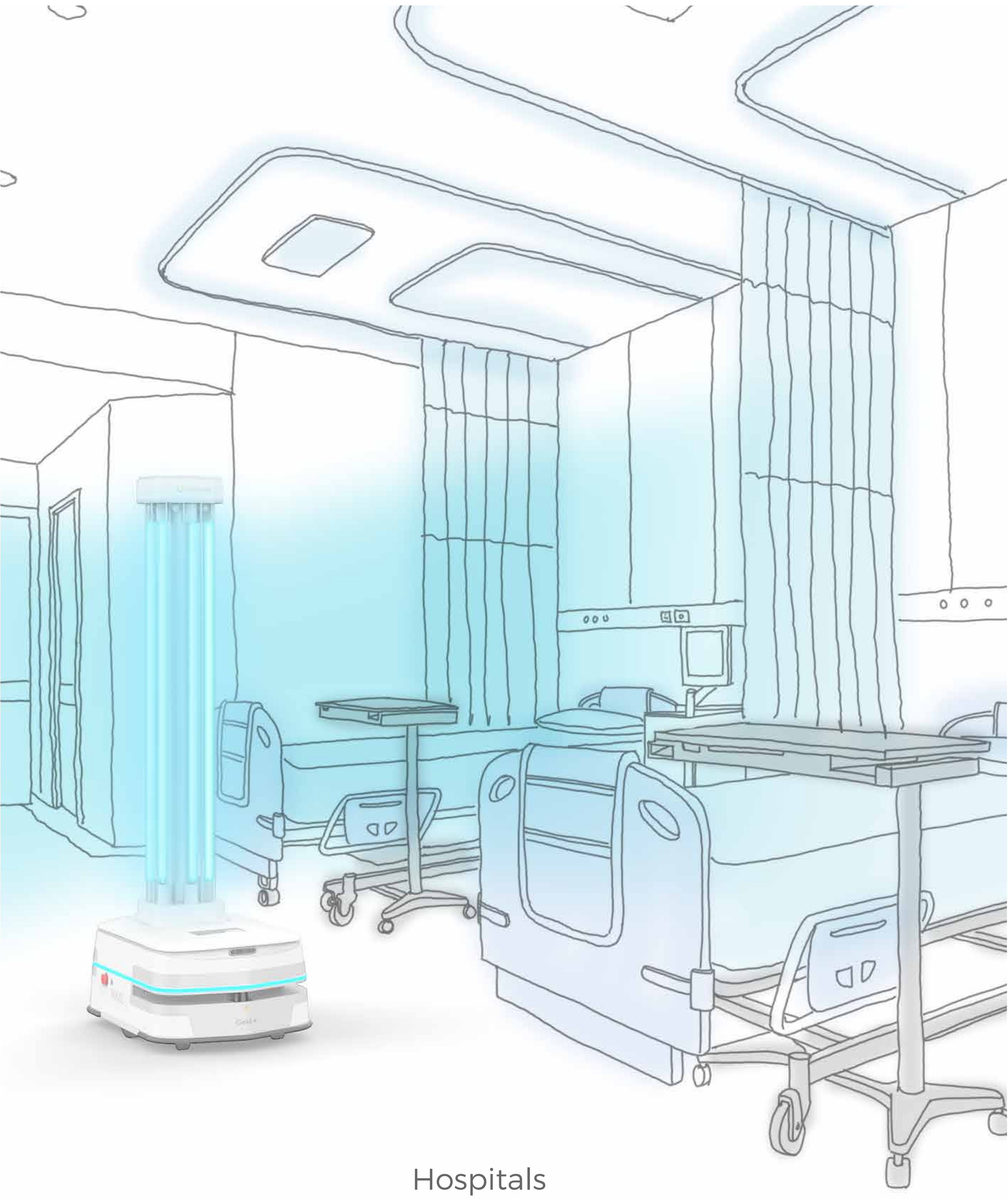
Easy to Use

The viusal interface simplifies operations and contributes to a better user experience.



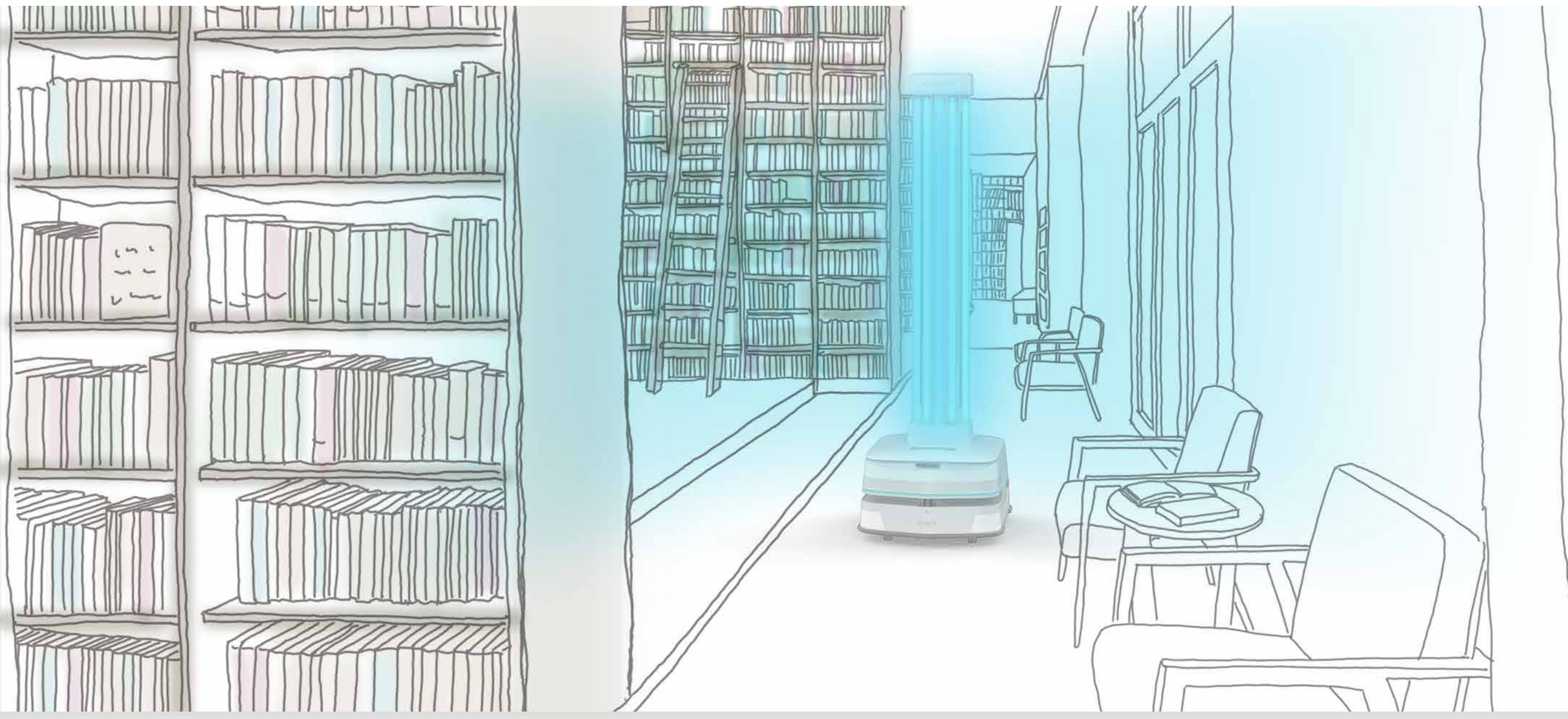
Application Scenarios

Lavender is built on sophisticated AMR technology and advanced SLAM navigation combining laser and vision technology. Comprehensive scanning and precise positioning makes the robot highly applicable to a wide range of scenarios.



Hospitals

Office Buildings • Banks



Libraries • Museums

Supermarkets • Shopping Malls • Hotels

Schools • Laboratories • Research Institutions

Factories • Warehouses • Industrial Sites

Product Specifications

6	420 uW/cm²
No. of lamps	Radiation intensity at 1m
80 kg	740*500*1700 nm
Weight	Dimensions
253.7 nm	
Peak band	
Shortwave	
UV-C	

Power source: lithium-ion battery
Charging station: self charging
Multi-sensor: 3D vision & radar
Communication: dual frequency 2.4G/5G, IEEE802.11 b/g/n

Caution: This product should not be used in scenarios where there are people nearby.

UV lamps obtain CE certification. The irradiance of UV lamps meets the code of GB19528 and complies with specific standards , including "Regulation of Disinfection Technique", "WS/T 367-2012 Regulation of Disinfection Technique in Healthcare Settings", and "WS 628-2018 Technical Requirements for the Hygiene and Safely Evaluation of Disinfectant Products".

Designed by Geek+

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