Geek+

Lavender

Smart UV Disinfection Robot
The Public Health Guardian

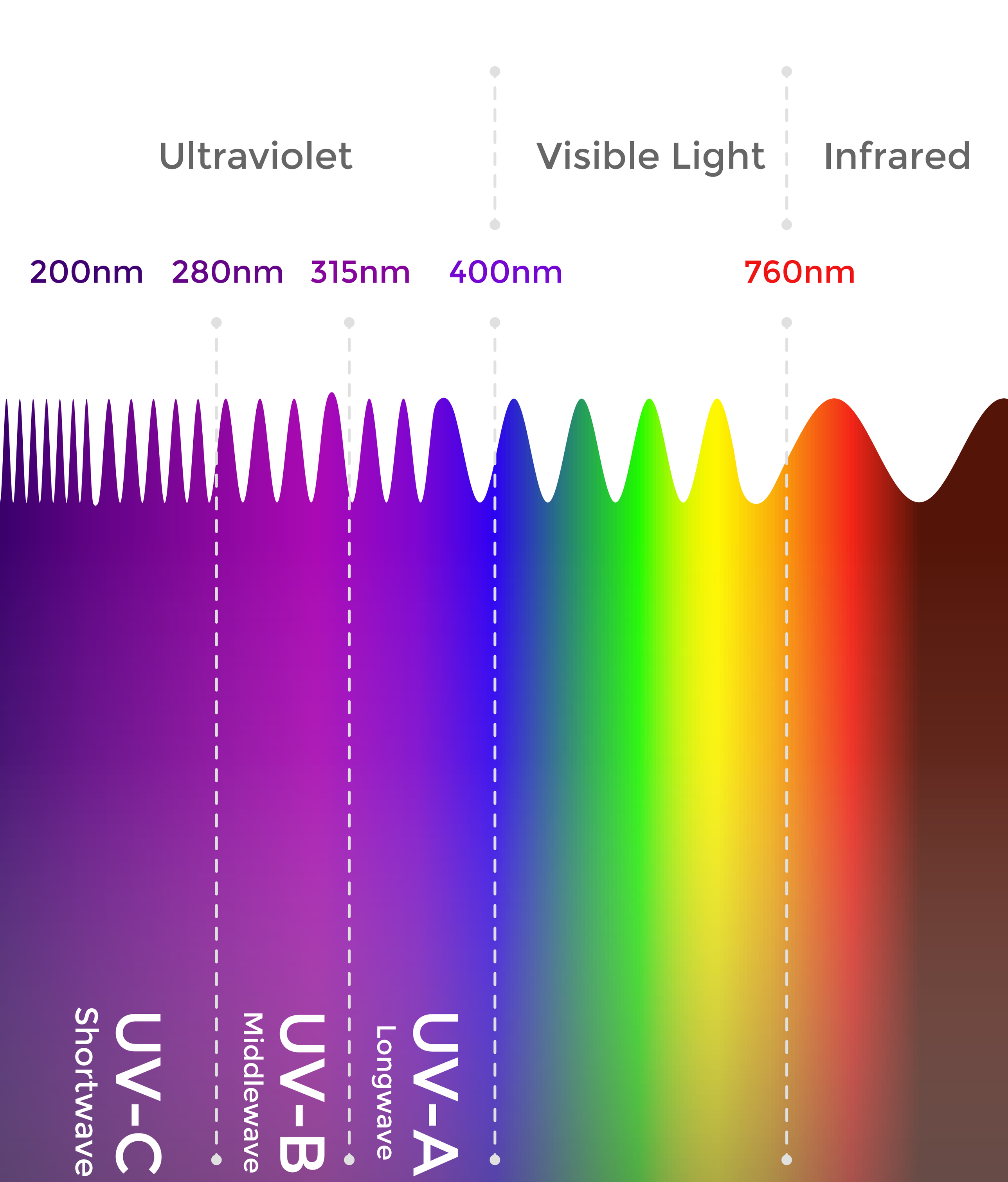
Produced by Geek+

LAVENDER

Lavender, the smart UV disinfection robot, destroys 99.99% of pathogens using ultraviolet lights and autonomous navigation to safely disinfect areas. Lavender operates without supervision 24 x 7 to keep your workspace safe without the use of chemicals or manual labor.

Effective, Efficient, and Safe

Designed by Geek+



Effective Disinfection

Lavender uses high power germicidal UV-C light at 253.7 nm to destroy DNA and RNA structures of bacteria and viruses in a chemical-free and environmentally-responsible way.

Efficient Disinfection

- High Illuminance
- UVC Radiation
- 6x 145µW/cm² Philips UV Lamps

UV lamps are arranged in a circular pattern for peak energy delivery 360° to areas most often carrying pathogens.

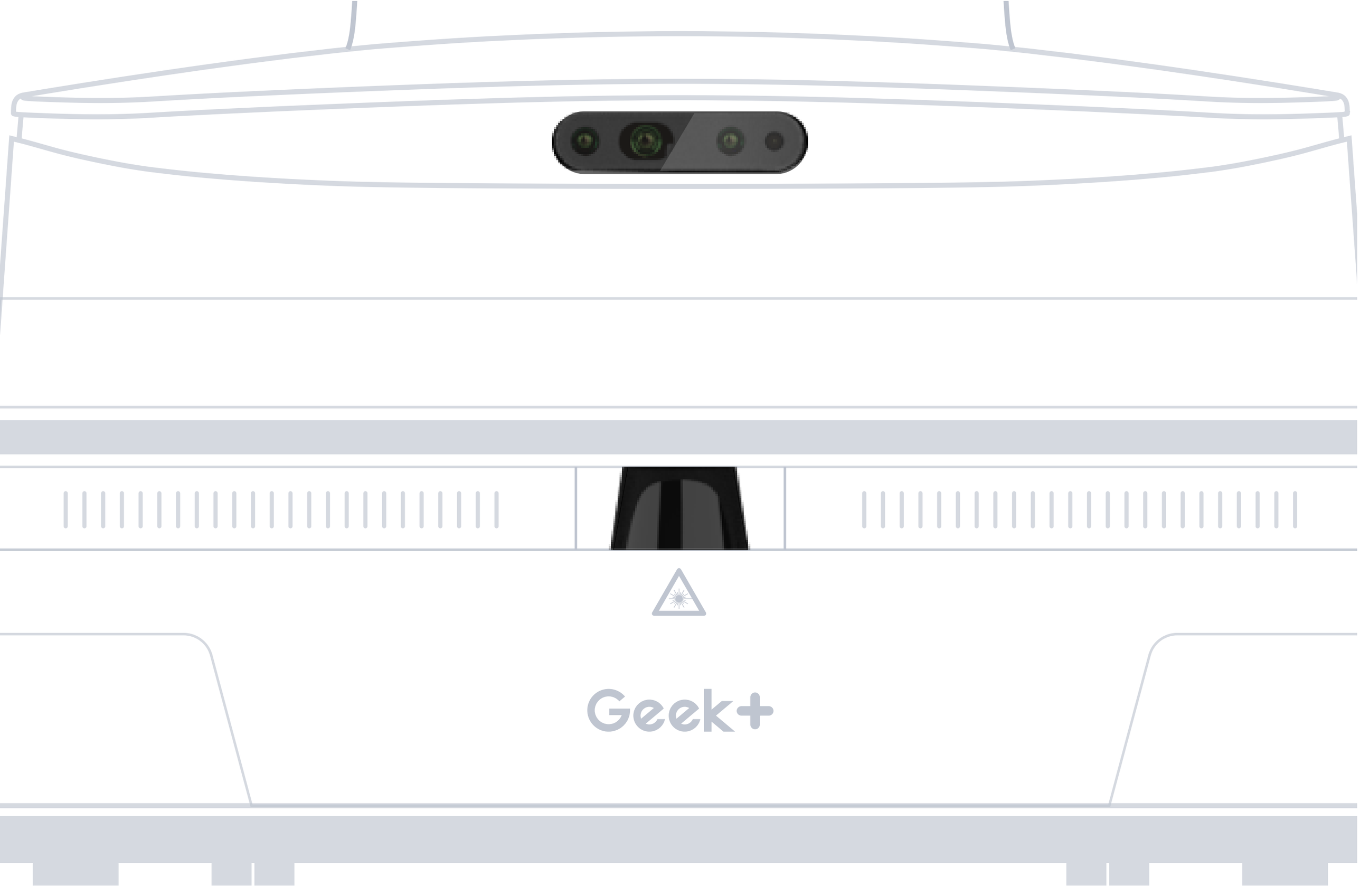
Systematic Disinfection

Lavender disinfects blind spots that manual cleaning cannot effectively or economically reach.

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

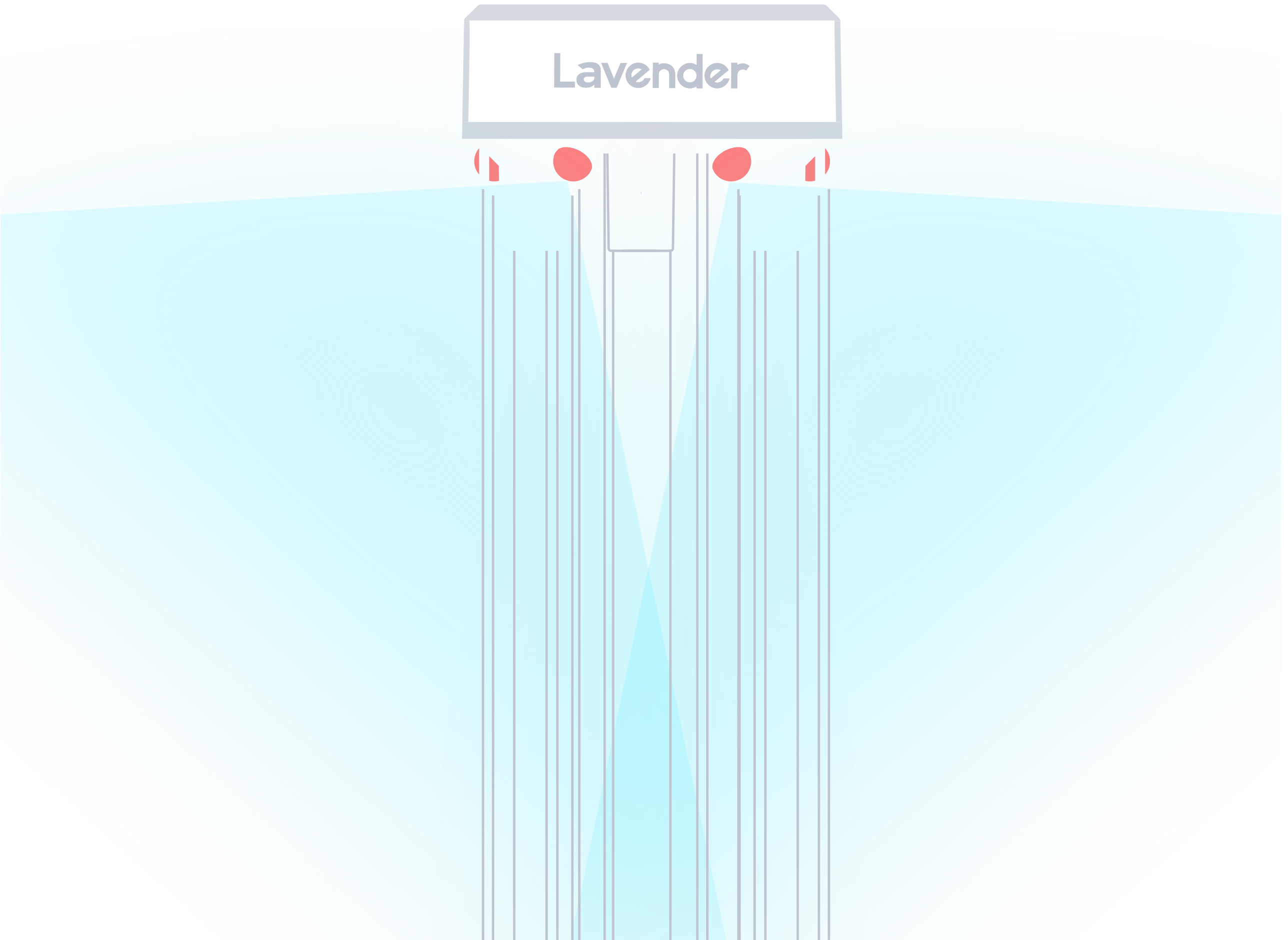
User-Defined Mode
Automatically performs unmanned disinfection along a pre-set route at a user-defined duration.

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



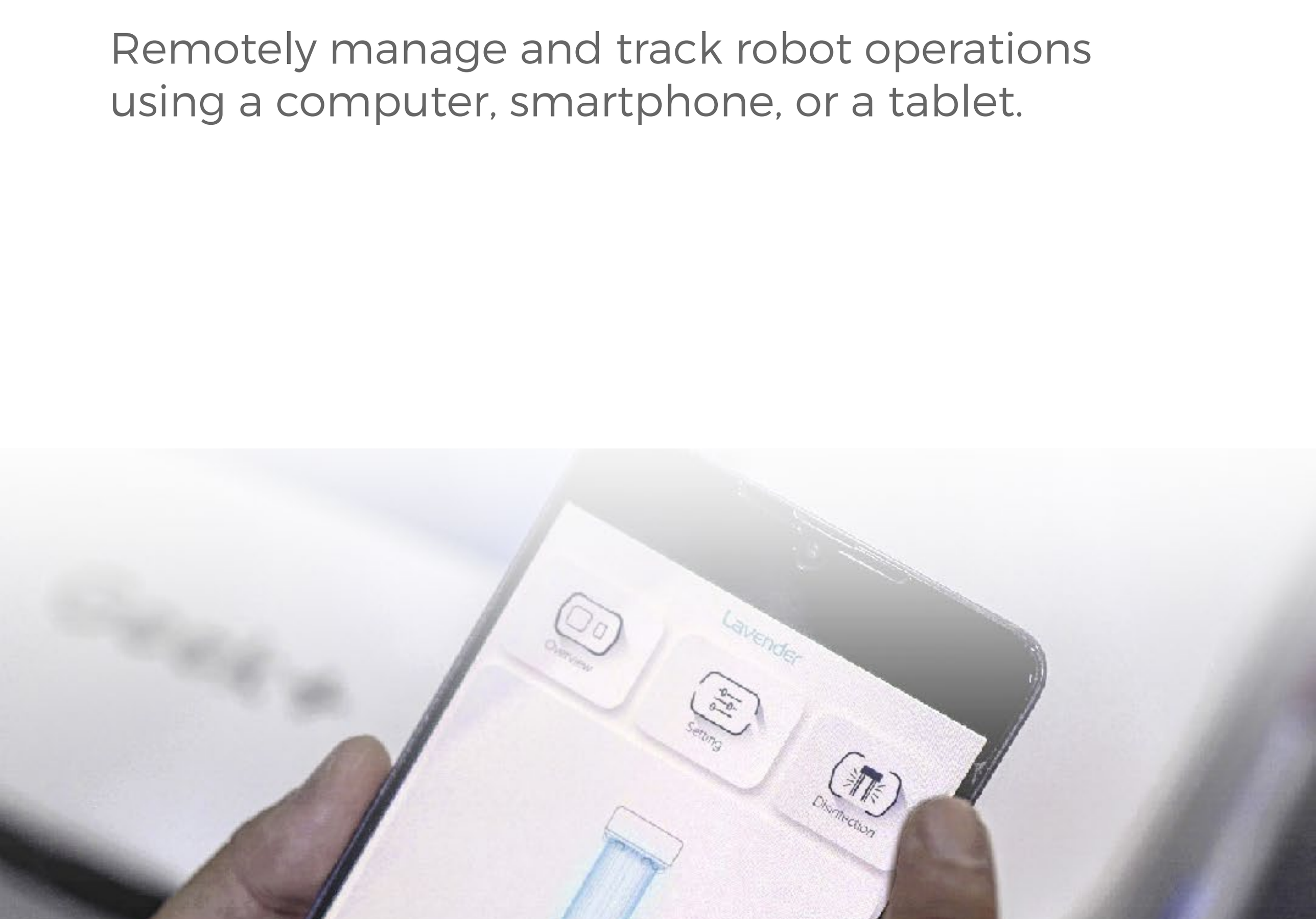
Safe Disinfection

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

Remotely manage and track robot operations using a computer, smartphone, or a tablet.

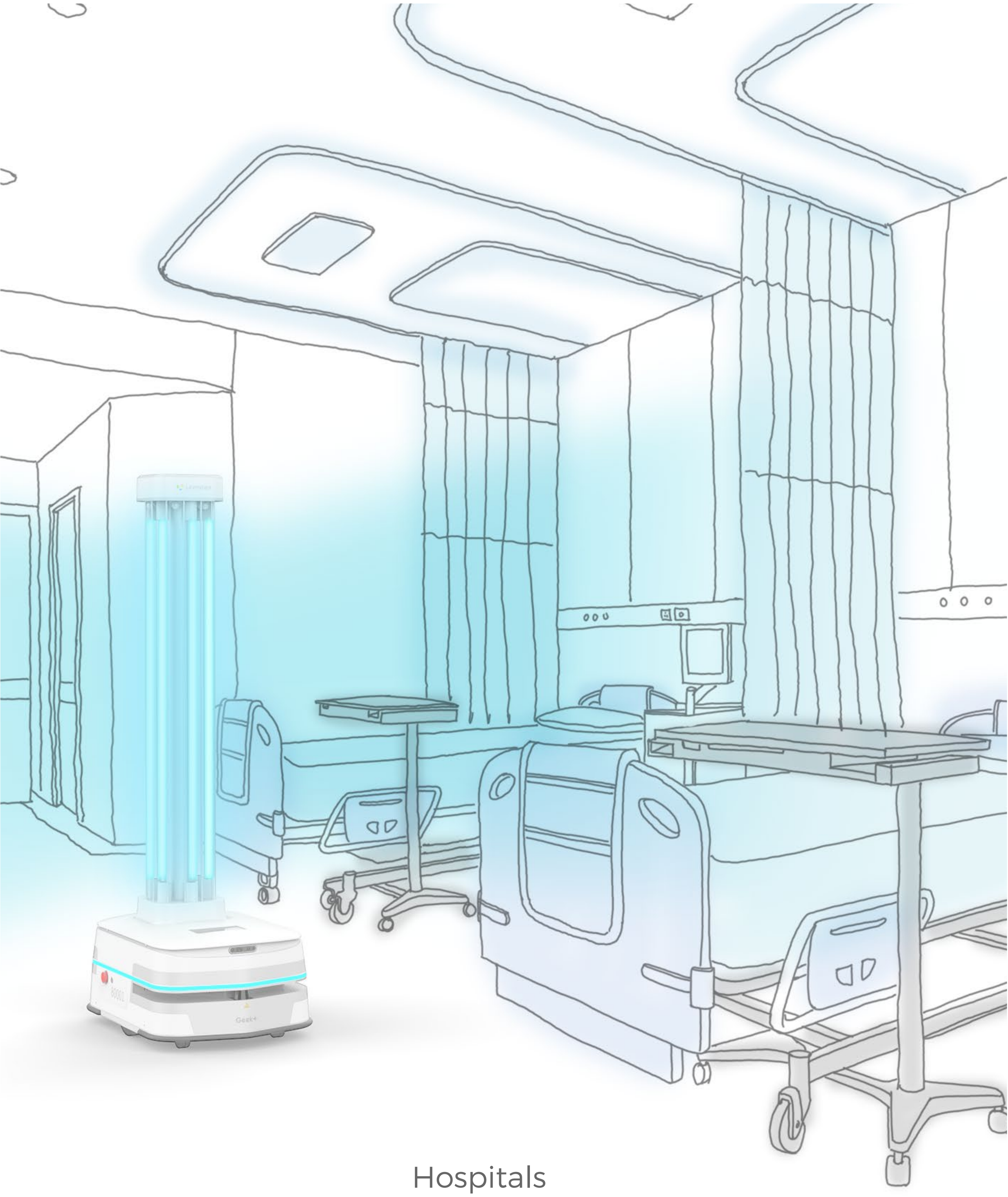


User-Friendly

Easily control Lavender with an intuitive user interface.

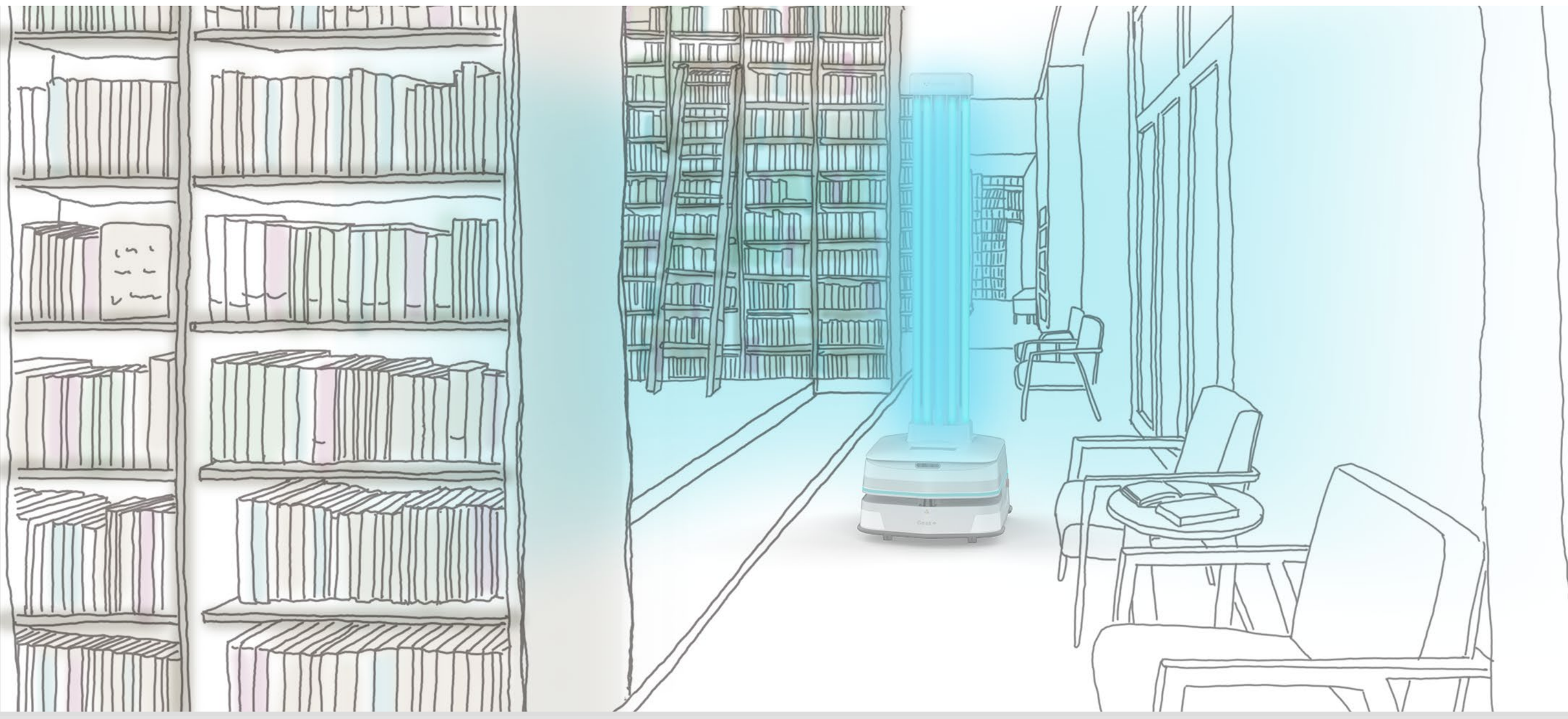
Applications

Lavender is built on sophisticated AMR technology and advanced SLAM navigation combining laser and vision technology.Its sophisticated navigation algorithms allow the robot to disinfect even the most complex environments.



Hospitals

Office Buildings • Banks



Libraries • Museums

Supermarkets • Shopping Malls • Hotels

Schools • Laboratories • Research Institutions

Factories • Warehouses • Industrial Sites

Product Specifications

6

Lamps

420 μW/cm²

Radiation intensity at 1m

80 kg

Weight

740 x 500 x 1800 mm

Dimensions

253.7 nm

Peak band
Shortwave
UV-C

Power source: Lithium-ion battery
Charging station: Intelligent self-charging
Sensors: 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.

CE Marked UV Lamps. 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".

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