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mUVe™ Base

mUVe™

UV-C SURFACE DISINFECTION ROBOT

mUVe™ is an autonomous surface disinfecting robot that utilizes high-power UV-C designed to destroy pathogens, including 99.99%+ of coronavirus particles.

FEATURES AND BENEFITS

- Focuses UV-C output in a single 120 degree beam using an anodized aluminum reflector to maximize the intensity on the target surfaces
- Ozone-free 475 Watt quartz lamp produces 142.5 Watts of UV-C at 254 nm
- Additional 57 Watt UV-C lamp on the robot's base for floor disinfection
- Sensors (LiDAR) to detect humans 5 meters to the front and right and 1 meter to the left and behind
- Anti-collision, ultrasonic, drop-proof, and human body sensors, as well as a single-eye camera and one depth camera included
- Fully autonomous robot capable of mapping over 2 million square feet of space and performing scheduled disinfection
- Robot tolerates 10 degree inclines and declines
- Traverses over 2 cm rough surfaces
- Audio communications and verbal warnings
- Quick battery change out for continuous operation
- Continuous air movement across the length of the lamp to cool and increase the life of the quartz UV-C lamp
- Continuous connection to the internet for data mapping and connection
- Cloud based alerting, tracking and reporting system
- Disinfection power to be verified by third party agency

PRODUCT SPECIFICATIONS

Size	19.69" diameter 68.89" height 228 lbs
UV-C	Mercury (amalgam) quartz tubes 254 nm major spectrum 475 Watt UV-C quartz lamp producing 142.5 Watt UV-C
Surface Disinfection Speed	18 inches/sec designed for 99.99% disinfection at 1 meter from the UV-C lamp
Charging	8 hours or quick battery change out for continuous operation
Operating Time	~3 hours with main UV lamp per battery
Wheels	Two rubberized 6.69" diameter drive wheels plus additional rubberized casters for support, balance, and tilt prevention
Effective Lamp Life	10,000 hours (~2 years with 12 hours per day operation)
Warranty	1 Year

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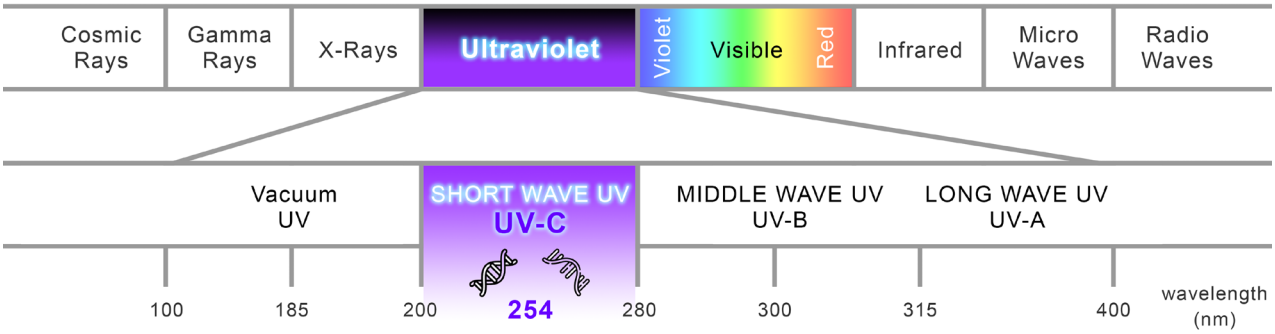
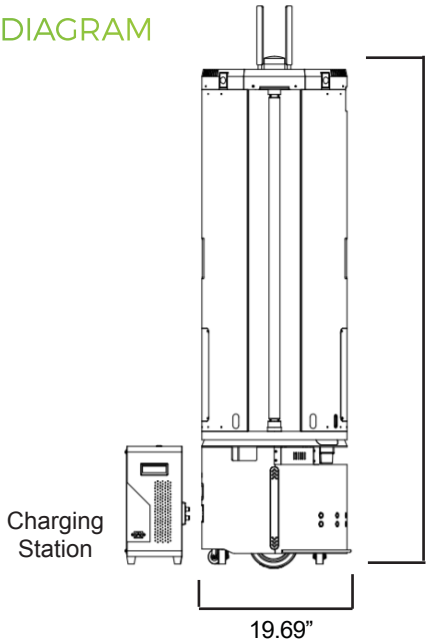
PRODUCT SPECIFICATION

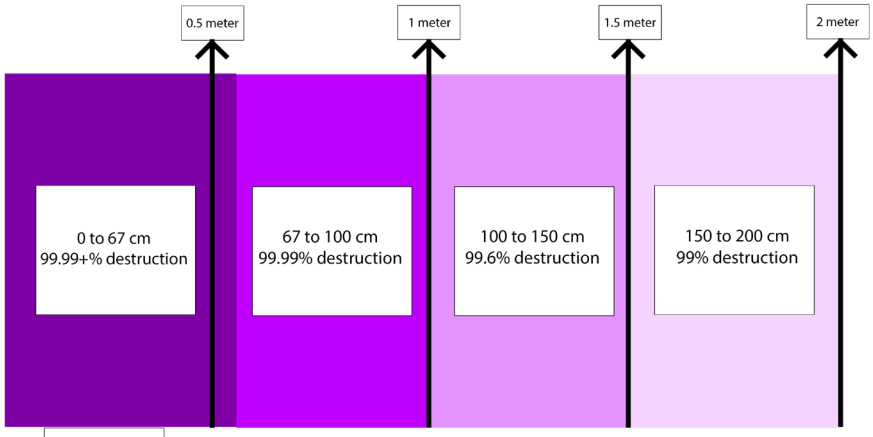
PRODUCT	SKU	DESCRIPTION
UV Robot	MUVE-UVCD-R1	UV-C Surface disinfection robot

UV in the Electromagnetic Spectrum



DIAGRAM





UV-C Dosage Per Distance From Lamp

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