

Ryberg Omnia®

360 UV-C disinfection

Product Sheet: Ryberg Omnia UV-C

Disinfection Robot

Autonomous.

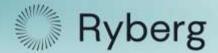
Reliable.

Effective.

RYBERG OMNIA: ENGINEERED TO REDEFINE INFECTION PREVENTION

Ryberg is revolutionizing healthcare with cutting-edge UV-C technology. Designed for efficiency, built for impact. Omnia UV-C Disinfection Robot is an autonomous data driven Robot eliminating pathogens with unrivaled precision.

Founded in 2020, Ryberg leads the fight against healthcareassociated infections and antimicrobial resistance. Advanced engineering meets smart automation.





Transforming Hospital Hygiene

Ryberg's Omnia UV-C Disinfection Robot is specifically designed to elevate hospital cleaning, minimize hospital-acquired infections (HAIs), and optimize disinfection workflows. Featuring intelligent autonomous navigation, 360-degree UV-C coverage, and advanced diagnostic capabilities, Omnia is the future of next-generation Healthcare Disinfection.

Key Features

Smart & Efficient Disinfection

- Operates as close as 15 cm from objects for superior cleaning.
- Optimized UV-C wavelength (253.7 nm) ensures maximum germicidal efficacy.
- Efficient power usage extends battery life, allowing up to 6 hours of operation (4 hours of disinfection).

Autonomous Navigation & Intelligent Design

- Slim, round build fits through spaces as narrow as 80 cm.
- Omnidirectional movement with differential drive and independent suspension for smooth operation.
- Advanced 3D sensing detects obstacles, ensuring safe, optimized movement.
- Fast-charging (1200W) reaches full charge in 4 hours.

Optimal UV-C Distribution

- 360° symmetrical UV-C lamp arrangement ensures even disinfection.
- Dynamic movement minimizes shadowing, improving efficiency over static devices.
- Internal airflow system helps reduce airborne pathogens.

Serviceability & Maintenance

- Modular design simplifies assembly and servicing.
- Predictive maintenance via remote diagnostics minimizes downtime.
- Over-the-air software updates keep the system up-to-date.

Specifications

- UV-C Wavelength: 253.7 nm
- Battery: LiFePO4 (LFP) for enhanced safety and lifespan
- Charging Time: 4 hours (1200W fast-charging)
- Operating Time: 6 hours (4 hours disinfection)
- Navigation: Differential drive with independent suspension
- Safety Certifications: CB, CE
- Sensors: 3D stereo cameras, LiDAR, ultrasonic, IMU motion sensors
- Size: Compact, 63% smaller than competitors

Why Choose Omnia?

- ✓ Navigates autonomously: independently, reaching all surfaces—including hard-to-access areas—without relying on human operators.
- ✓ Data driven: real-time reports and tracks disinfection cycles, providing documentation for regulatory compliance. This feature helps healthcare providers demonstrate accountability and meet stringent hygiene standards.
- ✓ Optimizes Room turnover: increased patient capacity and operational efficiency, reduce wait times, and optimize bed availability.
- ✓ Reduces financial burden of HAI's: Prevents infections, lowering treatment costs, patient readmissions, and extended hospital stays.
- ✓ Consistent Disinfection: mitigates human disinfection errors and ensures reliable disinfection every time
- ✓ Combats HAI's & AMR with a safe non chemical solution: 360° UV-C Light Coverage without chemicals, reducing exposure to harmful substances and lowering environmental impact





✓ Uniquely Designed for Hospitals: Built to navigate autonomously and safely in complex hospital environments, with his compact, slim, and round design that allows it to maneuver easily in tight spaces.

✓ User-Intuitive: Designed with simplicity in mind, the robot can be easily operated by staff with minimal training, reducing downtime and maximizing efficiency.

Support & Maintenance

- Comprehensive Support: On-site, remote, and service portal access.
- User-Friendly Portal: Troubleshooting, maintenance tips, and software updates.

Transform Hospital Hygiene with Omnia!

Ryberg's Omnia UVC Disinfection Robot is a game-changer in infection control, offering efficient, autonomous, and chemical-free hospital disinfection. Enhance patient and Staff Safety and optimize cleaning protocols today!

For more information, visit Ryberg Healthcare.

