

# IDS UV ROBOT

STERILIZATION ROBOT TO DECONTAMINATE SPACES



All devices currently in the market require being manually placed on the rooms, corridors, etc, and are generally connected via Bluetooth, without allowing the presence of people due to their cytotoxic power (impacting, mainly, on the retina and skin). Others require 3 towers for triangulation and, thus, avoid grey areas, without effectively achieving it. However, they are all static...and have to be moved manually...



## TECHNICAL DATA

EDelivery: 936 UV/cm<sup>2</sup>

Operating Radius: approximately 6 meters, that is, nearly 12 meters of diameter.

Speed up to 0,7m/s.

Autonomy (without load): 6h.

Battery charging time: model 1  $\leq$  4h, model 2  $\leq$  2h.

Security system that detects people via infrared thermal imaging.

Wireless SLAM Automatic

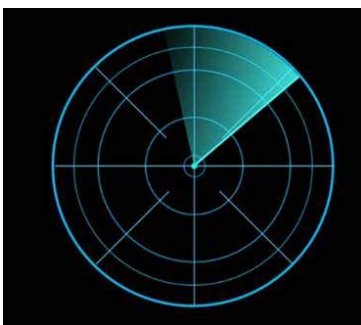
Planning/Manual Route Planning Navigation System.

Sensors: LIDAR.

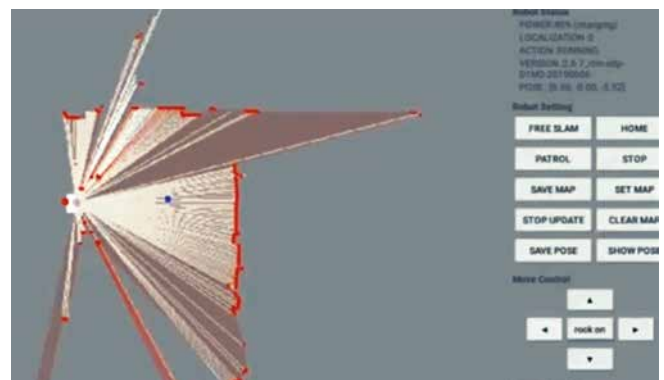
Direction 360°.



## 360° ACTION



## SCAN MAP



Device location mapping.

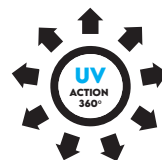


**Investigação  
Desenvolvimento  
Saúde**  
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## DISINFECTION / STERILIZATION OF CONTAMINATED AREAS.

**UV lamps** are well known and are used mainly in operating rooms. UV radiation is completely Effective and Efficient in decontaminating all Bacteria (particularly those causing hospital-acquired infections – ESKAPE, namely Vancomycin-resistant Enterococcus, MRSA, Imipenem-resistant Acinetobacter, Klebsiella, Pseudomonas, Clostridium difficile), Viruses (SARS...), and even Fungi.

Our device is **fully automatic** and uses an intelligent SLAM navigation system and LIDAR sensors that allow mapping spaces without colliding with objects or people and, in case someone inadvertently passes by the work area of the Robot, it switches off automatically through a human infrared detection system. At the end of the cycle, it returns to the "docking station" for automatic loading.

### SUITABLE FOR:

Hospitals, Health Centres, Medical Clinics, Physiotherapy Clinics, Shopping Centres / Retail Areas, Schools, Universities, Public Buildings, Enterprises, Institutions, Airports, Public Transport Infrastructures, Retirement Homes, Santa Casas de Misericórdia, etc.

Health is essential, and it is our job to ensure, maintain and improve it.

“The best way to foresee the Future is to create it”.



#### MORE INFORMATION

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