



REVOLUTIONIZING UV DISINFECTION

WITH YUVIO

yuvio.com



In the wake of the COVID-19 pandemic, the healthcare sector experienced an unprecedented surge in the use of UV-C equipment for facility disinfection. Unfortunately, this increased demand led to a flood of suboptimal products that compromised the efficacy of UV technology and eroded the trust of healthcare professionals. Recognising the urgent need for a reliable partner in UV guidance, equipment support, and accurate validation protocols, YUVIO was born.

At YUVIO, we firmly believe that UV-C technology is a cornerstone in the healthcare industry's disinfection life cycle. The safety of patients and staff hinges on the effectiveness of UV-C equipment. Our mission is to address the market saturation of inferior products by providing accurate, reliable UV-C solutions. Our products undergo rigorous field testing and validation using third-party technology to ensure the highest standards of safety and efficacy.

UV-C disinfection enhances traditional cleaning methods, offering a powerful combination that significantly improves overall hygiene standards. By integrating UV-C technology with conventional cleaning practices, we ensure a more thorough and effective disinfection process, safeguarding the health of patients and staff.

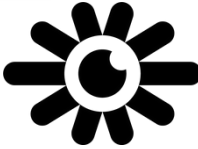
#UVTHATWORKS



Golden Standard Of Disinfection With Intellego Dosimeters:



All YUVIO disinfection devices boast the Golden Standard Of Validation. Third-party authentication ensures that these devices emit the correct wavelength for optimal disinfection. In collaboration with Intellego dosimeters, users receive accurate information, elevating trust among staff and patients in your facility.

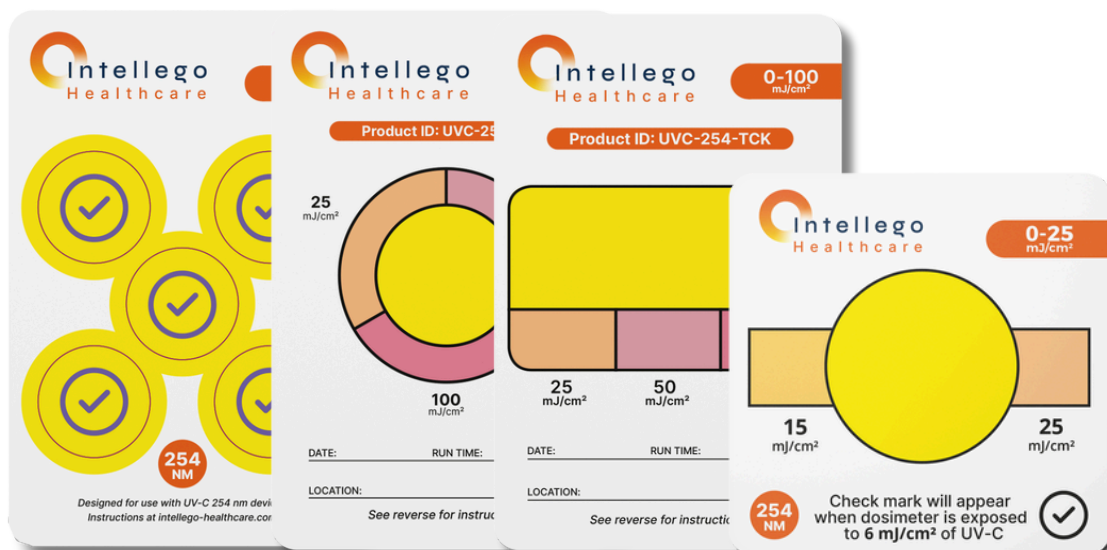


What Are Intellego Dosimeters?

Intellego dosimeters ensure precise UV-C exposure levels for effective disinfection across various settings, including healthcare facilities, hospitals, and businesses. They provide real-time UV-C intensity, optimising disinfection protocols to maintain safe environments.

These dosimeters validate and monitor ultraviolet-C (UV-C) exposure, ensuring disinfection processes meet stringent standards. The patented photochromic ink changes colour upon UV-C exposure, offering visible, real-time evidence of the received dose. This innovative technology helps healthcare professionals enhance patient safety and reduce healthcare-associated infections (HAIs).

Intellego Technologies leads in providing comprehensive, real-time validation solutions for diverse industries. From dose validation in a healthcare facility to precision curing in manufacturing and sustainable practices in horticulture, their dosimeters support dynamic, tailored solutions for maximum efficiency and safety.



How Do They Work?

By placing an Intellego UV-C dosimeter test card in front of the light source. The UV-C dosimeter test cards visibly change color into multiple color gradients.

The colour change due to the accumulation of UV-C radiation (energy) helps to identify whether the surface being disinfected has received sufficient energy to kill or reduce various types of bacteria, viruses and spores, including the most common MRSA and C.Diff etc.

Ensuring that the correct UV-C dose has been delivered to the surfaces or rooms to be disinfected is an important consideration to have an effective and sufficient disinfection process.

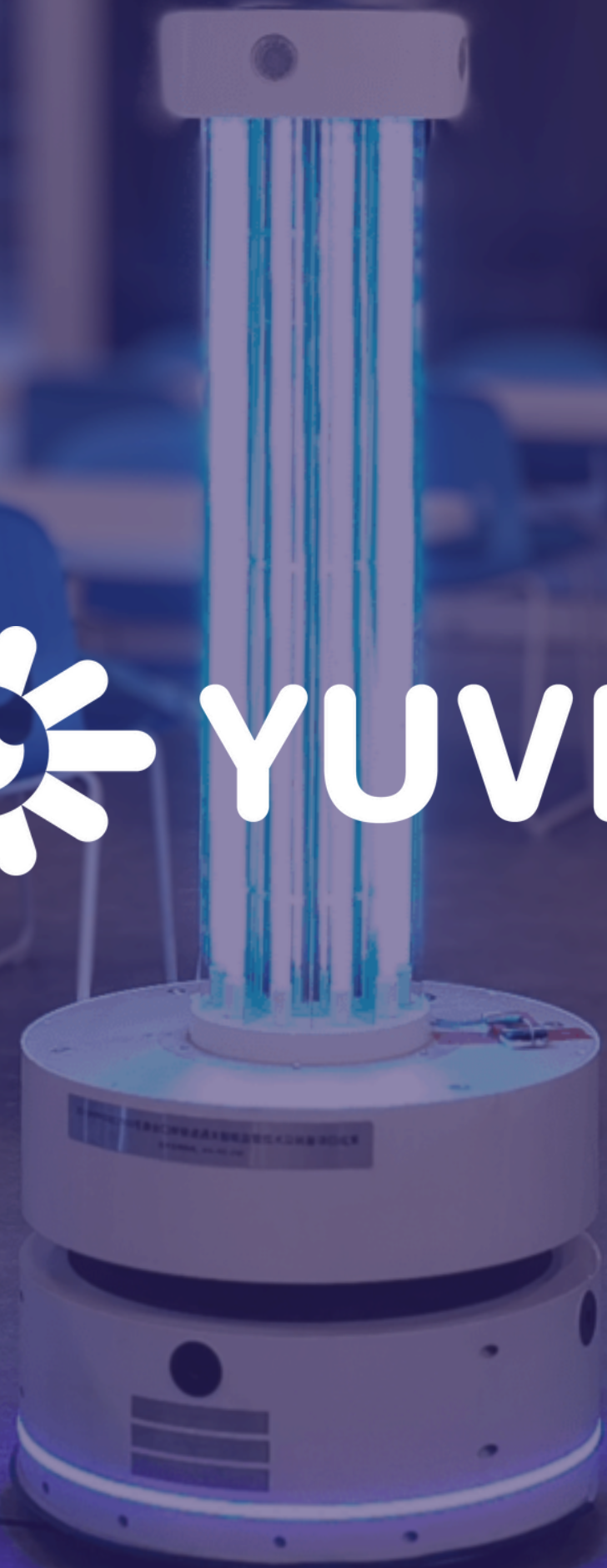
The delivery of the UV-C dose and energy is intricately correlated with the exposure time and distance between the direct light source and the surface.

The UV-C dosimeter cards are valuable evidence of the effective disinfection performance and output rate of the UV-C device so that any user can confirm how much germicidal radiation has been delivered and accumulated on the surface, and quickly and easily verify whether the disinfection process has been effective or not.





YUVIO



YUVIO-ONE

YUVIO-ONE: Autonomous UV-C Disinfection for Safer, Cleaner Spaces

The YUVIO-ONE disinfection robot operates autonomously with EPA-registered LightSources UV lamps. It lowers the use of chemicals, cuts costs, and simplifies processes by improving the disinfection of large areas. It improves work environments and raises safety standards to a higher level, mainly for killing infectious bacteria and viruses such as C. Diff, MRSA, and VRE in hospitals to reduce cross-infection.

Effortless Control with Intuitive App and Ergonomic Interactions

YUVIO-ONE simplifies disinfection management with an easy-to-use mobile app and cloud-based deployment. Designed with users in mind, the system offers innovative path planning that allows beginners to manage the robot effortlessly. The mobile app provides complete control, enabling seamless operation from anywhere.

With its user-friendly interface, YUVIO-ONE enhances the disinfection experience through lighting and voice interactions. It also gives real-time feedback and status updates, streamlining operations and improving user engagement. This combination of smart design and intuitive features ensures a smoother, more efficient workflow.

Flexible, Partitioned Disinfection for Any Environment

YUVIO-1 provides adaptable disinfection options, allowing users to customize disinfection points, areas, and timeframes to meet the needs of any space. Whether it's a small room or a large, complex environment, the robot adjusts to ensure uniform and thorough disinfection across every surface.

The set-time partition disinfection feature supports real-time modifications, so you can adjust disinfection settings to match different room layouts, locations, and durations. With automatic scheduling, YUVIO-1 starts its disinfection routine at preset times and returns to its charging station once the job is done. This feature maximizes efficiency and ensures the robot is always ready for the next task—simplifying management for busy teams.

Dimensions:

Height: 530 mm x 1375 mm

Weight: 55.6 kg

UV-C Disinfection:

Equipped with 10 high-power UV-C lamps (41W each), the YUVIO-ONE emits 254 nm light to inactivate bacteria, molds, and viruses. It delivers 360-degree coverage with 99.99% disinfection efficiency, making it ideal for surface disinfection.

Autonomous Operation:

The YUVIO-ONE's autonomous navigation, controlled via an app, allows it to disinfect spaces without manual intervention. Its auto-charging capability ensures it's ready to go when needed.

Faster, Safer Cleaning:

Disinfect a 25m² room in just 10 minutes. Reduce exposure risks with intelligent motion sensors that automatically pause UV-C operation when people are detected.

UV Lamps:

UV Lamps: 10 lamps, 41W each (total UV power 1500 $\mu\text{w}/\text{cm}^2$)

Battery:

Battery: 25.2V / 38Ah, up to 1.8 hours of operation after 3.5-hour charge

Movement Speed:

Movement Speed: 0-0.45 m/s

Proven Reliability:

Designed for continuous use, the YUVIO-ONE's lamps have a lifespan of 10,000 hours, ensuring long-term reliability and minimal maintenance.

Comprehensive Coverage:

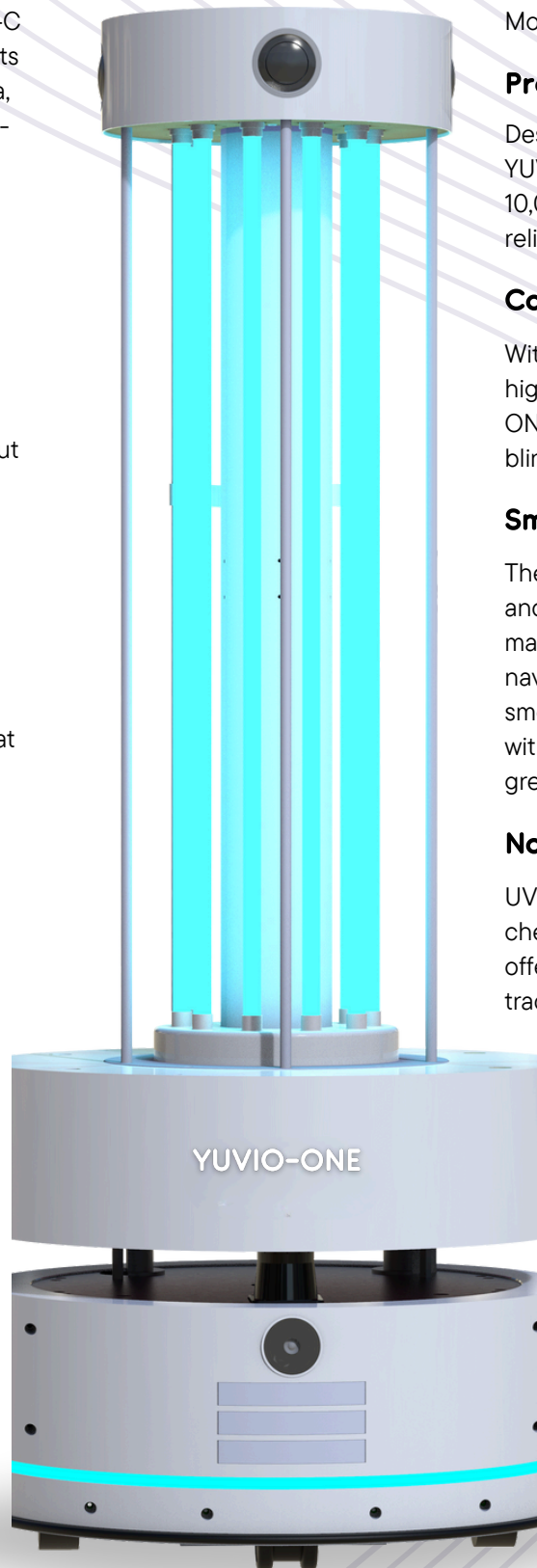
With 360-degree UV-C coverage and high disinfection power, the YUVIO-ONE reaches every corner, leaving no blind spots in its disinfection process.

Smart Navigation:

The YUVIO-ONE's differential driving and motion sensors allow it to manoeuvre obstacles up to 10 mm and navigate slopes up to 8°, ensuring smooth movement through spaces with passage widths of 750 mm or greater.

Non-Toxic & Eco-Friendly:

UV-C light disinfection leaves no chemical residues or pollutants, offering a safer, greener alternative to traditional chemical cleaning methods.



The background of the image shows three identical EcoLight UV systems. Each system consists of a dark blue cylindrical base on four casters, a vertical black frame, and a top section with multiple vertical glass tubes. The central system is labeled 'OCTA UV - SYSTEM Q1' on its base. The other two are labeled 'OCTA UV - SYSTEM Q2' and 'OCTA UV - SYSTEM Q3'. The EcoLight logo is visible on the top of each frame.

ec@light[®]

lights & more

OCTA UV - SYSTEM Q2

OCTA UV - SYSTEM Q1

OCTA UV - SYSTEM Q3

EcoLight:

The Octa-UV is an integral Multisystem consisting of at least three emitters that, by communicating with each other, select suitable parameters and radiation doses for decontamination. The technologies used in the Octa-UV Multisystem significantly improve efficiency compared to standard systems, while providing the possibility of the validation of disinfection and decontamination processes.

The lidar laser distance sensor detects the exact dimensions of the room

Movement sensors control the Auto-Off function and increase the safety of use

Phillips UV-C lamps with a total output of 1200W

Comfortable, stable handles for repositioning the emitter

5m power cable

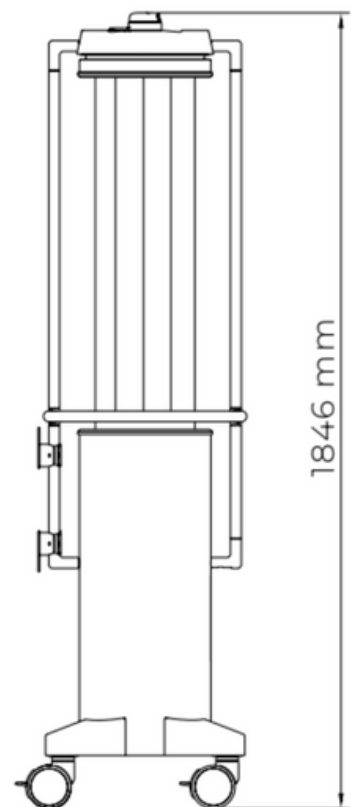
Antistatic swivel castors with a safety brake



Technical Data

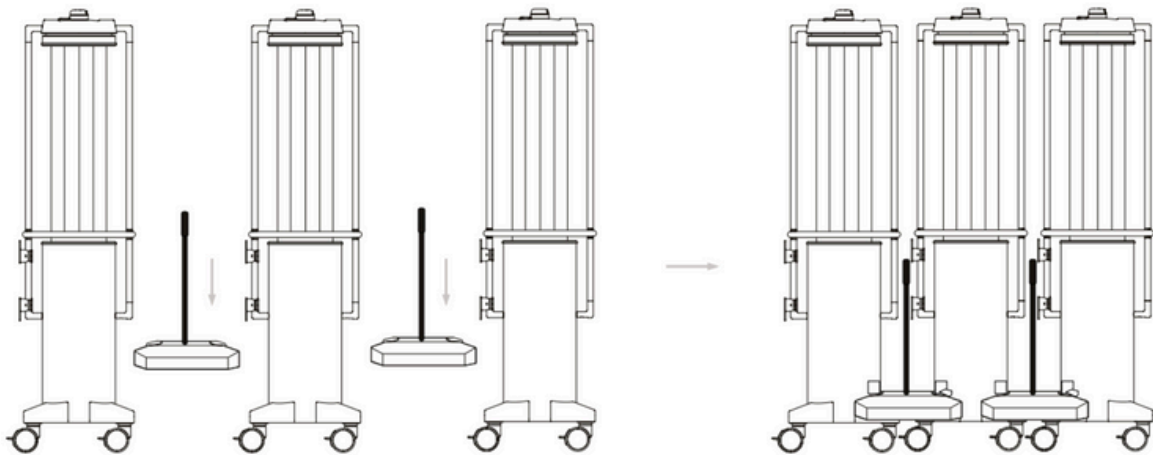
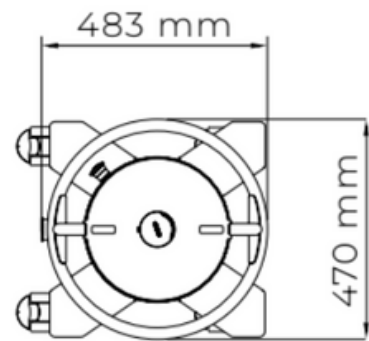
Mechanical Data

Length	1672 mm
Height	1846 mm
Width	470 mm
Housing Color	Silver Pearl / Dark Grey
Protections	Motion sensor, auto switch, application, emergency stop button
Guarantee	3 years warranty (extendable)
Additional Functions	IoT + web server



Electric Data

Power - System	3 x 1200 W
Voltage	220 V
Lamp Type	Philips TUV T5
UV Wavelength	253,7 nm switch
Power Supply	Philips
Lamp Life	Philips 9000 h
Bluetooth	4.0





RADICAL

CLEAN SOLUTIONS



Radical:

How does it work?

By mimicking the natural Hydroxyl Radical process of generation. Each of our different models draws air inside the unit, once there that air enters a reaction chamber which contains several advanced optics light sources. Inside the chamber the moisture is reduced to OH and the resultant OH (the Hydroxyl Radical) is emitted out of the unit, establishing the same level of concentration as we find naturally which is 2.6 billion Hydroxyl Radicals per cubic centimetre (cm³).

What makes this solution so effective?

To answer that, let us consider the alternatives that have been in use for decades, alternatives such as the blanket application of chemicals and also filtration which we know make very little impact but we keep using them in the absence of anything better.

Einstein may well have regarded this approach as close to "Insanity" - the continued application of the same methodology in the expectation of a different outcome.

The RCS Hydroxyl Radical Generator range is perfectly safe for humans, animals and plants - you can continue working in its vicinity; therefore the productivity of an establishment improves with its continuous usage.

Consider any indoor space which, after normal use must be "cleaned" before it can be re-used. It is necessary to vacate the room, clean, wait and then re-enter..... This downtime can be hours at a time. If the RCS Hydroxyl Radical Generator were in that same space, one activity could simply follow the next therefore more can be done in the same amount of time. These benefits cover both Health and Commercial concerns - increased productivity, safer working environments, better outcomes, better environmentally.



Quad Pro Commercial Hydroxyl Generator

MODEL: RCS-50001-01

This is a beast! Designed to cleanse air and surfaces in larger spaces. Atmospheric hydroxyl radicals (hydroxyls) destroy bacteria, virus, mold and volatile organic compounds (VOCs). The Quad Pro can be used continuously in clean rooms, food & beverage production, manufacturing warehouses, conference suites, medical waiting rooms and wards, restaurant kitchens and other spaces where removal of pathogens, harmful VOCs and odors are important. It can also be used situationally to cleanse and sanitize hotel rooms, bed & breakfast/Air B&B, preparation of homes for sale, apartments, or fire/flood restoration.

Hydroxyls are a naturally occurring sanitizer. Radical Clean Solution's photolytic hydroxyl radical production mimics the natural process that occurs within Earth's troposphere. A green solution that uses no added chemicals. No toxic or harmful substances. Safe for people, animals and plants; all have evolved in a hydroxyl-rich environment.





Transit Hydroxyl Generator

Designed for easy installation, using 12/24V power with a built-in inverter, the Radical unit disperses Hydroxyl Radicals, eradicating pathogens and odours throughout all areas of a vehicle, coach, bus, train carriage and connects to the can-bus for communication and monitoring. Creating an **"immune system for the environment"**. Tested to satisfy the space of a standard "C" size bus/coach.



Room Size Consumer Hydroxyl Generator

Designed for easy mains-plug. in installation, the Radical unit disperses Hydroxyl Radicals, eradicating pathogens and odours throughout the area where it operates of between 750 and 1,500 f3 depending on the model chosen creating an "immune system for the environment".™ This unit is ideal for small offices, apartments, class-rooms, hotel-rooms and spaces such as hospitality suites.



HVAC Hydroxyl Generator (IN-DUCT RETRO-FIT)

MODEL: RCS-10001-01
RCS-10002-01

Designed to easily install at the manifold of the HVAC duct system enabling the Radical unit to disperse Hydroxyl Radicals throughout all areas served by the air conditioning or heating system. The installation takes only minutes, plugs in or can be hard-wired for easy connection and operates simultaneously with the air handling system in your home, office, industrial facility, etc. creating an "immune system for your environment".™



YUVIO Proposal – Elevate Your UV Disinfection Journey

YUVIO Technologies is dedicated to enhancing healthcare hygiene through accessible and effective UV solutions, addressing the critical need to save lives by providing solutions that in turn assist in the reduction of HAIs. Our commitment to the healthcare sector is reflected in our innovative approach to making UV disinfection technology both effective and accessible.

Why Choose YUVIO?

Proven Efficacy: Our UV solutions are tested in real-world conditions and validated by third-party experts to ensure they meet the highest standards.

Cost-Effective Accessibility: Our subscription model removes financial barriers, providing you with the necessary tools to enhance your disinfection practices without significant upfront investment.

Free Disinfection Unit: To further support your disinfection efforts, we offer a free autonomous disinfection unit with your subscription, ensuring you have the best resources at your disposal.

Swift Implementation: We understand the urgency of enhancing disinfection protocols. Our model allows you to swiftly implement our validated dosimeters and begin improving your facility's hygiene standards immediately.

Ongoing Support: At YUVIO, we are more than a supplier; we are your partners in ensuring a safer environment for patients and staff. Our team is dedicated to providing continuous support and guidance.

Join the YUVIO Revolution

By partnering with YUVIO, you are taking a decisive step towards elevating the hygiene standards of your healthcare facility. Our reliable, validated UV solutions are designed to integrate seamlessly into your existing protocols, ensuring the safety and well-being of your patients and staff.

Seize this unique opportunity to enhance your disinfection practices with YUVIO's innovative and accessible solutions. Whether you choose our cost-effective subscription model or prefer to purchase your equipment outright, YUVIO is here to support your journey to a safer, cleaner environment.

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