

UVC Sterlizer at Work

Innovation in the time of pandemics



Photo taken in St Richard's CE Primary School, United Kingdom

WE ARE HAPPY TO REPORT THAT OUR UVC DISINFECTION SOLUTIONS ARE BEING DEPLOYED AS FAR AWAY AS UNITED KINGDOM, WHERE THEY ARE HELPING TO PROTECT FRONTLINE WORKERS IN THE FIGHT AGAINST COVID-19.

BUSINESS OPPORTUNITIES / CHALLENGES

By any measure, this year is exceptional.

The upheaval in business environment as a result of the pandemics brings challenges as well as opportunities. At Hong Kong Communications, we strive to keep innovating in the midst of social distancing and work-from-home restrictions. From early on, we recognise the role of technologies in combating these challenges and respond rapidly to invent and bring to market many business solutions that are, we are sure, invaluable for many of our customers when they are reopening for business.

One example is our UVC disinfection solutions.

In a little over 60 days from concepts to first products rolling off production, we have put in place an innovative product design, prototyping, testing and manufacturing process. The end results are UVC disinfection devices that are now being used in elderly homes, hospitals, government installations daily to remove the SARS-CoV-2 virus and sterilise the air and surfaces in any room where the virus might pose a risk.

UVC Disinfection Solutions

Among these first products, the most versatile machine is our UVC Steriliser. It has six high-performance UV-C germicidal lamps, mounted on a mobile platform that can be remote controlled by a mobile app easily. It is laboratory proven to inactivate 95% of coronavirus in minutes. To quickly sterilise a larger area, for example in hospital ward, multiple sterilisers can be networked and remote controlled by a mobile app quickly.



HKC UVC Steriliser



HKC Disinfection robot "Dark Knight" has been awarded the Pandemic Innovative Digital Solution Awards 2020 (PIDSA 2020) – Outstanding Healthcare Award by Hong Kong Computer Society

Our award-winning Dark Knight UVC Sterilising Robot is another innovation that demonstrates our technical excellence in delivering price-competitive robotic unit. It features our proprietary 3D SLAM technology and robotic platform. Dark Knight is fitted with the same germicidal lamps and can be sent out on autonomous patrols to sterilise a facility where the task is either too dangerous or tedious for human to do in 24 x 7 cycles.

Our engineering expertise and rapid development cycle have also enabled us to secure an airport contract to design and build a Far UVC disinfection system for sterilising luggages immediately offloaded from an aircraft. It uses revolutionary Far UVC 222nm technology that can effectively inactivate SARS-CoV-2 while remain completely harmless to the workers in the luggage processing area.



FAR UVC 222nm light module

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