UV-C LED BOXER

Disinfects Video, Film & Audio equipment from Covid-19 and other germs in just 5 minutes

In response to the pandemic Cartoni introduced the UVC Boxer a disinfection cabinet harnessing the power of medical grade germicidal UV-C lamps to safely sanitize film, video and audio equipment. Today Cartoni launches the new UV-C LED Boxer, a smaller, lighter, portable cabinet powered by last generation UVC LED.

The UV-C LED Boxer is the ultimate defence for getting back to work on set, in rental houses, in studios with total safety and prevention of contamination on equipment.

The disinfection chamber is equipped with germicidal UV-C LED irradiating UV-C light in 275 nm wavelength capable of destroying germs, bacteria, micro-organisms and viruses in just 5 minutes, including Sars - Covid 19.

Advantages of germicidal UV

Germicidal UV LED lamps are incredibly effective and have several significant advantages.

- **Pathogen kill rate** – All bacteria and viruses tested to date (many hundreds over the years, including other coronaviruses) respond to UV disinfection. Some organisms are more susceptible to UVC disinfection than others, but all tested so far do respond at the appropriate doses. On top of that, bacteria and pathogens cannot become resistant to UV like they can to certain antibiotics and antibacterial products.
- **Limited chemical exposure** – UV-C works in place of potentially harmful chemicals. It's safe to enter a room after germicidal UV products disinfect the area, but it might be hard to breathe in a room that has just been sprayed down with chemicals.

What is the Cartoni UV-C LED BOXER?

Studies have shown that environmental transmission of germs and viruses can be unwanted source of illness. The new Cartoni UV-C LED BOXER leverages the power of germicidal UV to safely sanitize the surface of film and video equipment without emitting moisture, gas or powders. Equipped with 42 medical-grade UV-C LED(275nm), the BOXER is designed to neutralize any micro-organism, germ, including COVID-19 or mould, which may unknowingly contaminate film and video sets. The UV-C LED Boxer effectiveness is certified by the University of Siena, Italy and Microchem Laboratories, TX

These features make UV-C irradiation ideal as a sanitization process for delicate professional film and broadcast equipment as it does not affect – if used properly - optical lens coating, electronic circuits & boards, lubricants, rubber, or plastic in cameras, lenses, monitors, microphones, etc. No Ozone released during the irradiation.
The effectiveness of the disinfection can be monitored by the use of Intellego Technologies' Dosimeter.

Will UV-C irradiation damage the equipment?

As with prolonged exposure to the sun, which will fade the colour of children's toys on the beach, or most plastics, all UV irradiation can produce some chemical deterioration on plastics, rubbers or polymers.

Although UV-C may discolour plastic and ultimately affect the carbon boundaries of the molecule after extreme exposure of over 1000 hours, UV-C LED will not deteriorate electronic boards, electrical components, or glass elements such as lenses and filters.

With this in account, the total irradiation and micro-organism disinfection cycle of the Cartoni UV-C Boxer takes just **5 minutes** to sanitize each batch of equipment, as metered by a timer.

The newly designed Cartoni UV-C BOXER has a boxlike container for safe loading and sanitization of multiple pieces of gear at the same time. Like all UV light, exposure to UV-C rays can be dangerous to humans so Cartoni designed the BOXER with 2 safety micro-switch to avoid accidental UV-C irradiation. If the lid to the BOXER chamber is not safely inserted, the UV-C lamps will not activate.

BOXER is safe if properly used, effective, and fast. Operational indoors and outdoors, it's ideal for carrying to locations by small vans or large SUVs. Equipped with wheels with positive locks, it can easily be moved around on flat surfaces or studios. The UVC LED Boxer can be power by normal power-supply or by battery.

For more information, please contact cartoni@cartoni.com.

<div align="center">Specifications:</div>

Dimensions: 81x58x48cm or 32x22.8x19 in
Weight: 25 kg. or 55 lbs
Internal chamber: 60x33x46cm or 23.6x13x 18 in
External structure: HPRC - VO UL94 auto extinguishing composite waterproof case with wheels
Chamber & rack: 42 Led 275 nm, distributed in 6 modules , walling in polished aluminium mirror coating for optimal reflection in all directions.
Power: 110/220 volts, battery or power bank.
Operating tension: 24volts/2A.
Irradiation: 360° UV-C wavelength covering all surfaces, including rack base.
The only shadowed zones consisting in the rack's aluminium net.
Cycle: 5 minutes with timer.
Certifications: CE EN61326 Electromagnetic – EN61010 -1 Electrical safety