

UV-222 Intelligent Mobile Bacteriostatic Booth



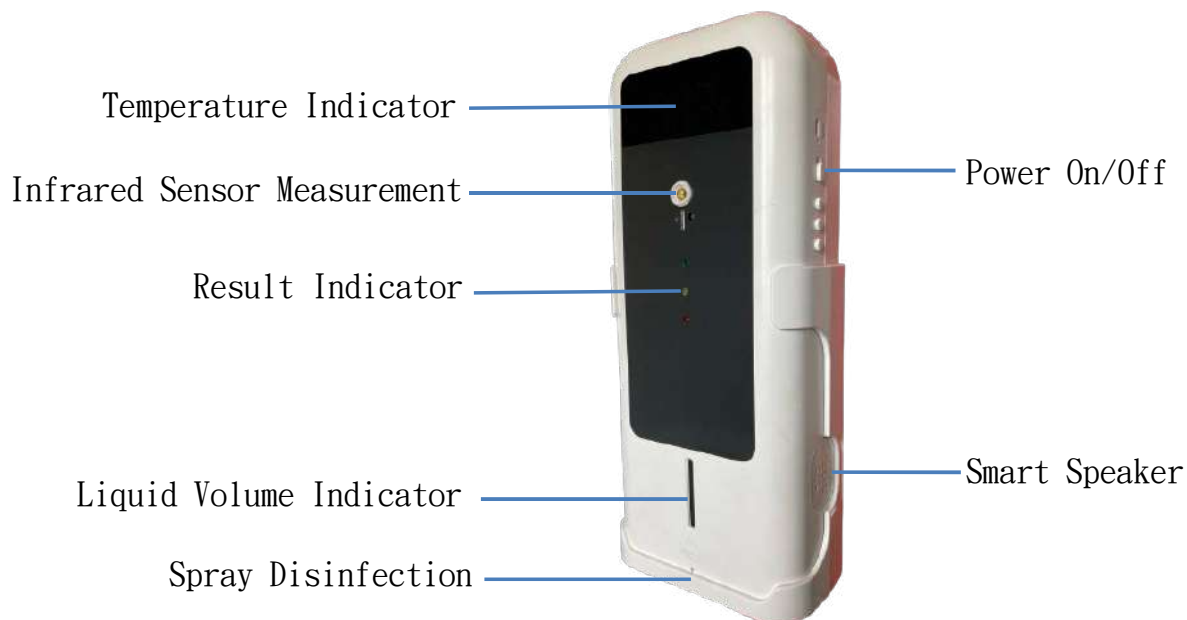
- ✓ Infrared Temperature Measurement
- ✓ Non-Contact Hand Disinfection
- ✓ 360° UV-222NM Disinfection
- ✓ Foldable Unit For Easy Storage
- ✓ Removable Wheels For Flexibility
- ✓ Automatic Alarm Warning System

Specification

Casing Dimension:	1700x1000x2350mm
Casing Material:	Cold rolled painting stainless steel
Pedal:	SUS304
Supply:	1Ph 110V, 50/60Hz
Light:	Quark
System:	Use UV-222nm UV technology to inhibit viruses in objects & air, also can effectively prevent COVID-19 infection.



Please measure your temperature and disinfect your hands before entering the bacteriostatic booth.



After measuring the temperature, please enter the bacteriostatic booth for sterilization.
(The LED is green)





In the bacteriostatic booth, UV light will disinfect for 10 Seconds.
(The LED is red)

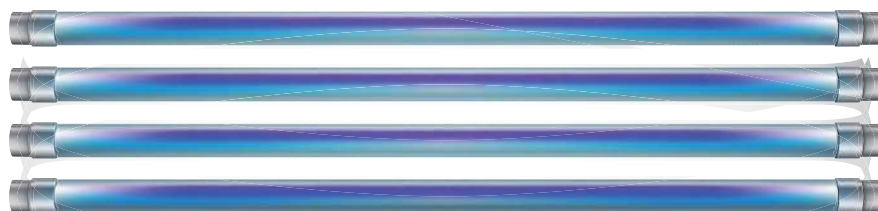


The alarm will sound when there are 3 seconds left, which means the disinfection has been completed.
(LED will change from red to green)

Beneficial of UV-222nm



Different from the previous sterilization mode, it brings us a safer and more effective sterilization effect!



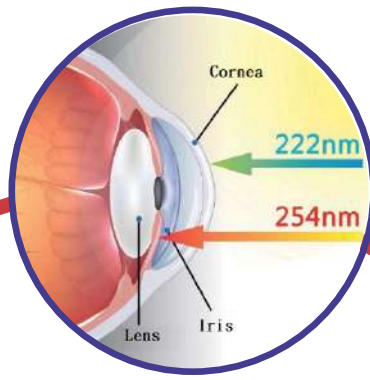
The UV "254nm", which is generally used for sterilization, has strong sterilization ability but can cause harm to the human body and can only be used in places where there are no people.



According to the research of Columbia University (USA) since 2015, only 222nm wavelength ultraviolet with sterilization ability has more effectiveness which can eliminate 99.9 % virus. It is also not harmful to human body.

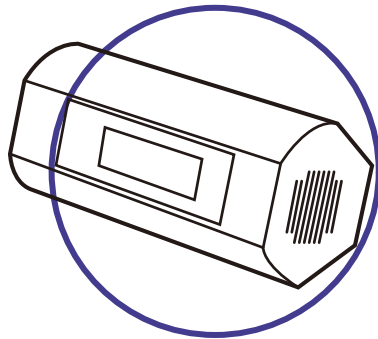
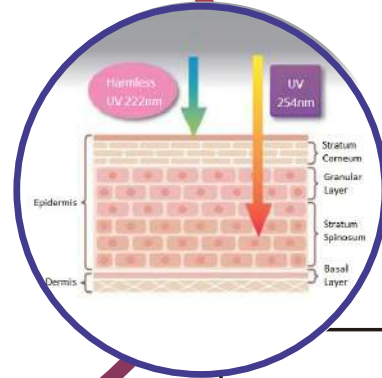
Non-Contact

Sterilize through light without contact and reduce the risk of cross-infection.



No residue


























The light method will not leave any residue, and it is easier to use and clean.



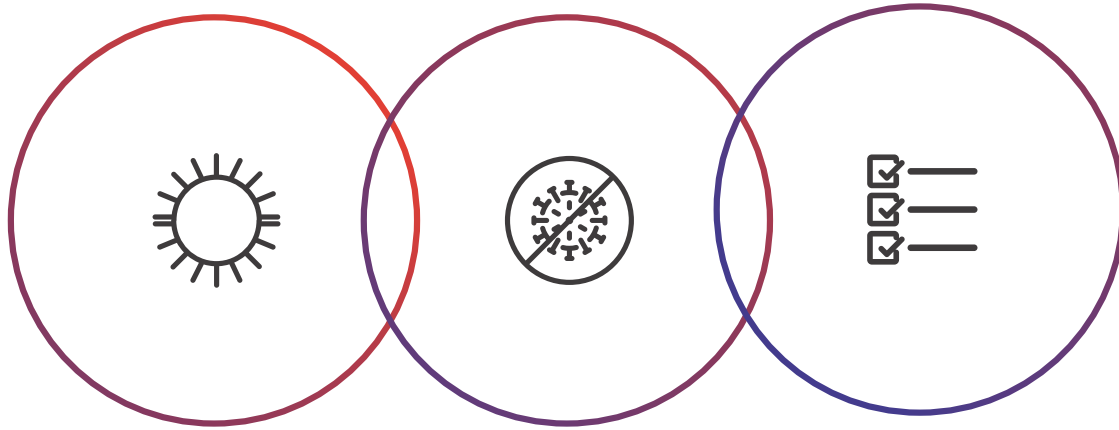
Human body safety

UV-222nm cannot penetrate to the dermis and cause harm to the human body.

Comparison Of Sterilization

	 New Type Light Sterilization	 Sterilization Medicine/ Bleach	 75% Alcohol	 UV Rays For General Sterilization
Sterilization Ability				
Object Surface				
Space/Air				
Maintained For A Long Time				
Harmless To Human Body				

222nm wavelength ultraviolet light can not replace regular lighting system, but it can be build in with daily lighting system.
222nm wavelength ultraviolet light can apply to various environments such as entrances, exits, elevators, conference rooms, and household ceiling.



Harmless
UV Sterilization
Technology

New Sterilization
Method

Multiple
Use Environment



#Columbia University, USA

Seasonal coronavirus can effectively prevent its activity when exposed to 222nm far ultraviolet light for only 25 minutes, and the virus inactivation rate is 99.9%.

#Public Library of Science » (PLOS ONE) Periodical

Three months after the irradiation, the researchers found that the volunteers' skin test areas did not show any signs of erythema, and no adverse reactions were found.

#Kobe University, Japan

Repeatedly irradiating the skin with filtered 222nm UVC light will not cause it to suffer from skin cancer or cataracts.

Ultraviolet radiation with a wavelength of 222nm is harmless to human skin and eyes.

#《Nature》 Magazine

In June 2020, a study published in far ultraviolet (222nm) indicates that this method can effectively and safely prevent humans from spreading coronavirus.



Recommended by Professor Hao-chung Kuo
(Professor of National Yang Ming Chiao Tung University)
Research Topics-Nanostructured Optoelectronic Materials and Devices
Research expertise - III-V(Nitride) high speed semiconductor laser technology and related research

#National Yang Ming Chiao Tung University, Taiwan

The new 222nm wavelength ultraviolet light is very suitable for sterilization lamps installed in general shopping malls or department stores. Professor of department of Photonics Hao-chung Kuo said.

#Shimane University, Japan

Sachiko Kaidzu found that 222nm ultraviolet has no damage to the rat cornea.

#Hiroshima University, Japan

The far UVC 222nm light can further reduce the proportion of surface contamination of SARS-CoV-2 (This virus can cause COVID-19) by more than 99.7%.

Identification No.: TOOC2107000209O0-00

1 Test Date

July 22th, 2021 to July 28th, 2021

2 Sample Q'ty

Q'ty	Model	Sample No (S/N)
1	eVIO-100	# 1

3 Test Items

3.1 Spectral Measurement

According to the test specifications provided by the customer, the test is carried out at a distance of 30 cm from the object to be tested.

4 Test Equipment:

Name	Brand	Model	S/N	Calibration Due Day
IDR300 system	BENTHAM	IDR300	OPG-0001	2021/10/15
Digital Power Meter / AC Source	YOKOGAWA / Chroma	WT-210 / 61601	OPG-0015 / OPG-0010	2022/02/18

Laboratory Environmental Conditions:

Ambient temperature: (25 ± 1) °C
 Relative humidity: (60 ± 20) %RH
 Dark room: < 0.05 lx

DU T Condition:

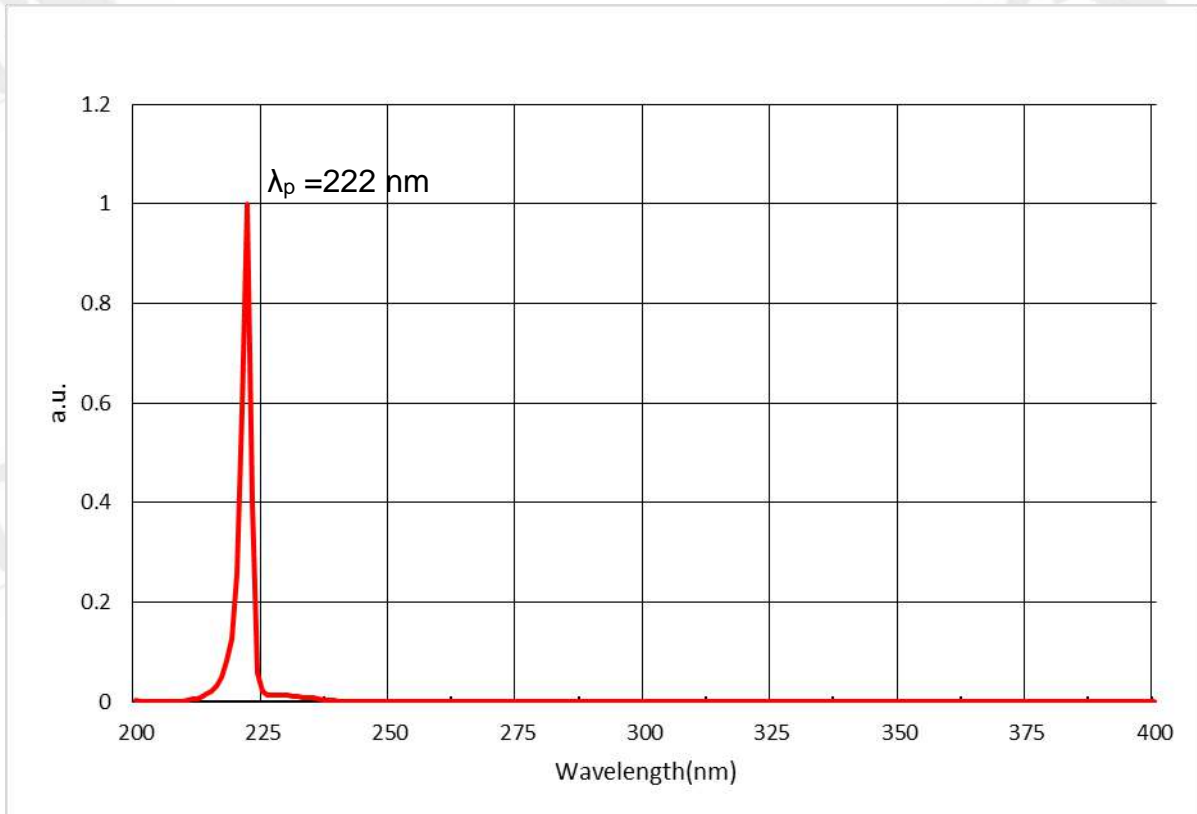
Power input: DC 12 V
 Warm up time: 15 minutes

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5 Test Result

5.1 Spectral Measurement



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Identification No.: TOOC210700020900-00

6 Sample



Test Sample



Test Sample

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