

UV-222智能可移動式抑菌艙



- ✓ 非接觸式紅外線測量體溫
- ✓ 非接觸式手部酒精噴霧消毒
- ✓ 360度UV-222NM紫外線殺菌
- ✓ 可折疊式上下斜坡，方便存放
- ✓ 可移動式方向輪，方便移動
- ✓ 體溫超過正常溫度，裝置發出聲響

尺寸及規格

箱體尺寸:	1700x1000x2350mm
箱體材質:	鋼板烤漆
腳踏板:	SUS304
電源電壓:	單相110V, 50/60Hz
照明:	Quark
系統:	使用UV-222nm紫外線技術，抑制物體及空氣中病毒，並有效預防COVID-19傳染



進入通道前請先測量額溫及雙手消毒

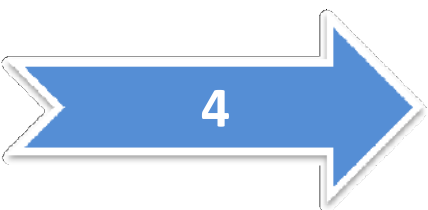


測量溫度無異狀後，請進入UV抑菌艙進行滅菌
(此時LED呈現綠色)





抑菌艙內進行360度滅菌持續達10秒
(此時LED呈現紅色)



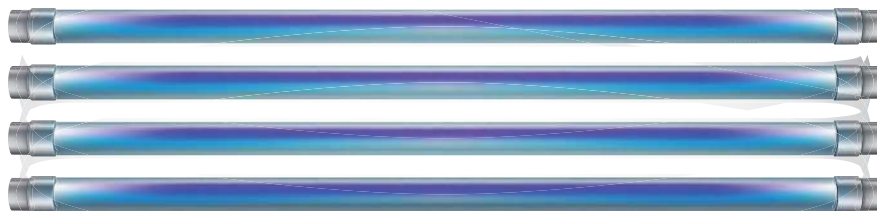
剩餘3秒時，裝置會發出聲響提醒
LED會由紅色轉為綠色，表示已完成滅菌

有益的222nm紫外線



與以往的殺菌模式不同，

帶給我們更安全更有效的殺菌效果！



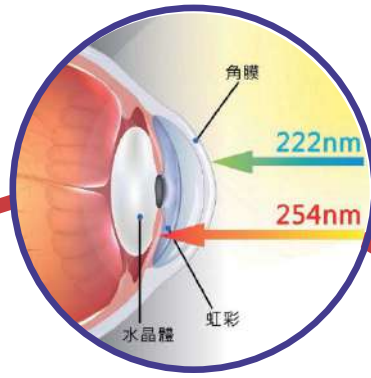
一般用於殺菌紫外線「254nm」的紫外線，
雖然殺菌能力強大但對於人體會造成傷害，
只能使用在無人之場所。



經過美國哥倫比亞大學自2015年起的協助開發，
將對人體有害的波長用特殊的方式進行過濾，
僅留具有殺菌能力的222nm波長紫外線，
病毒滅活率達 99.9%。

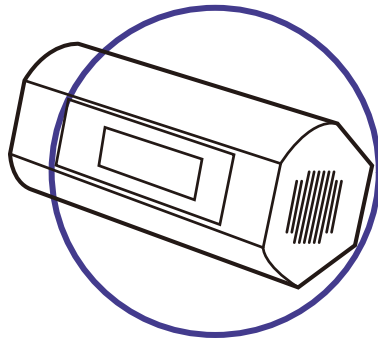
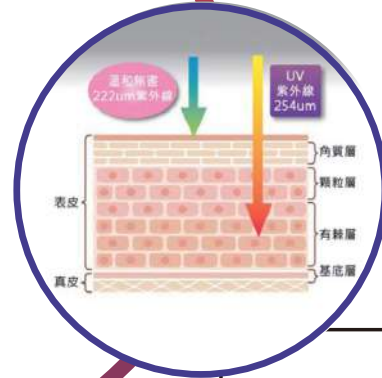
非接觸

透過光照方式殺菌，不用接觸即可處理，減少交叉感染風險。



不殘留

















光照方式不會有任何殘留物，使用更簡單清潔。



人體安全

222nm 紫外線無法穿透至真皮層，對人體造成危害。

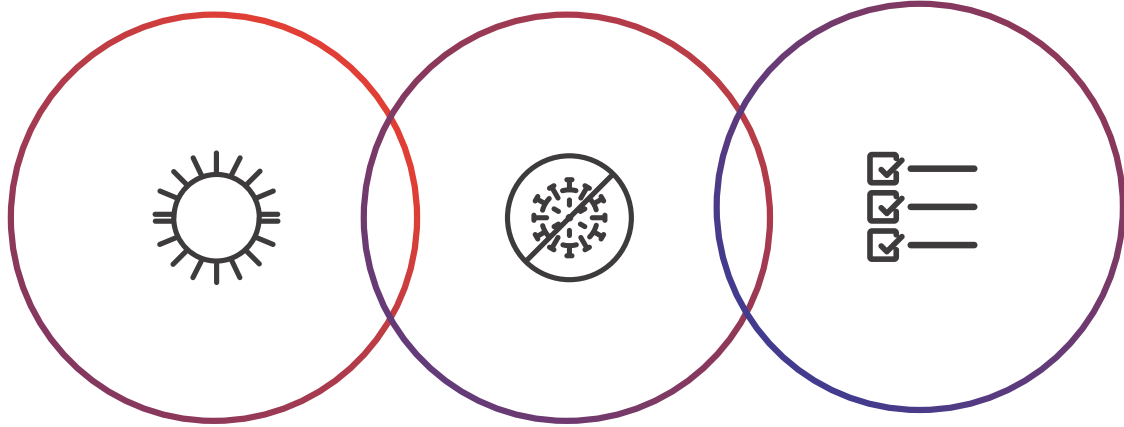
滅菌使用比較

成效最佳	 新型態光殺菌	 殺菌用藥劑 / 漂白水	 75% 酒精	 一般殺菌用紫外線
滅菌能力				
物體表面				
空間/空氣				
能否常時維持				
對人體無害				

222nm波長紫外線無法取代一般生活照明系統。

但可以設計與一般照明系統共存在同一燈具中，

可多元應用於各出入口、電梯、會議室、家用天花板。



人體無害的
紫外線殺菌技術

新型滅菌方式

多元使用情境

通道出入口



電梯間區域



辦公室區域



#美國哥倫比亞大學Columbia University

季節性冠狀病毒暴露於 222nm 遠紫外線光下僅 25 分鐘即可有效阻止其活性，病毒滅活率達 99.9%。

#公共科學圖書館》(PLOS ONE) 期刊

照射後三個月，研究員發現志願者的皮膚測試區域均沒有出現任何紅斑跡象 也沒有發現不良反應。

#日本神戶大學Kobe University

使用經過濾的222 nm UVC光重複照射皮膚
不會導致其患上皮膚癌或白內障
波長為222nm的深紫外線輻射對人體皮膚和眼睛無害

#《自然》雜誌

2020 年 6 月發表 遠紫外線 (222nm) 的研究中
指出該方法能有效安全阻止人類傳播冠狀病毒



郭浩中 教授推薦

陽明交通大學講座教授

研究領域 - 光電元件與材料

研究專長 - III-V(Nitride)高速

半導體雷射技術及應用研究

#國立陽明交通大學

光電工程系教授郭浩中表示

新型222nm波長紫外線非常適合一般購物中心或百貨商行裝設的滅菌燈

#日本島根大學

Sachiko Kaidzu發現，222nm的紫外線對大鼠角膜沒有損傷

#日本廣島大學Hiroshima University

發現遠 UVC 222nm 光可進一步減少嚴重急性呼吸系統
綜合症冠狀病毒 SARS-CoV-2 (此病毒可造成COVID-19)
表面污染的比例超過 99.7%。

識別號碼: TOOC210700020900-00

1 測試執行日期

110 年 07 月 22 日 ~ 110 年 07 月 28 日

2 樣品數量

數量	型號	樣品編號(S/N)
1	eVIO-100	# 1

3 測試項目

3.1 光譜量測

依照客戶提供之測試規格，距離待測物 30 公分處進行試驗。

4 主要測試設備:

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

實驗室環境條件:

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

DUT 條件:

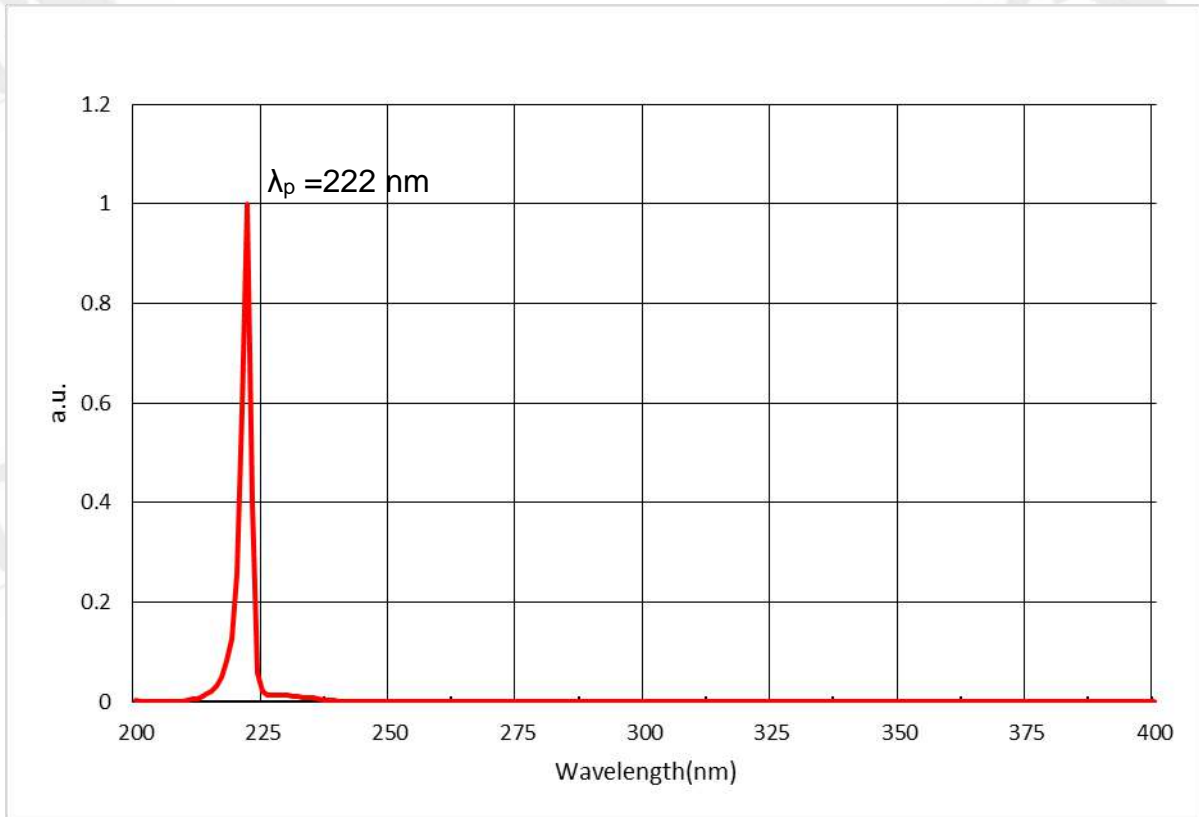
Power input:	<u>DC 12 V</u>
Warm up time:	<u>15 minutes</u>

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5 測試結果

5.1 光譜量測



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識別號碼: TOOC210700020900-00

6 樣品照片



試驗樣品



試驗樣品

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