

# 100X100mm UV LED Array with Fan Cooling for UV LED Conveyors



**SKU: 511072**

## USER MANUAL

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## Equipment Features

1. The equipment supports external IO signal control and RS485 Modbus-RTU communication protocol, and can remotely operate relevant parameters.
2. The equipment provides automatic mode and manual mode.
  2. In automatic mode, the equipment cures according to the irradiation time you set, and automatically turns off the UVLED after a countdown. In manual mode, the equipment needs to manually turn on the UVLED and record the curing time in real time.
3. The equipment has functions such as digital dimming, delayed cooling fan shutdown, and recording of total exposure time.

## UV LED Curing Lamp Features

- **High Efficiency and Energy Saving**

UV LED has a concentrated output band, high photoelectric conversion rate, 70% energy saving, fast curing speed and high production efficiency.

- **Wide Range of Applications**

UVLED is a cold light source, low infrared heat radiation, will not cause work thermal stress and deformation, suitable for all kinds of heat-sensitive materials curing.

- **Long Life Cycle**

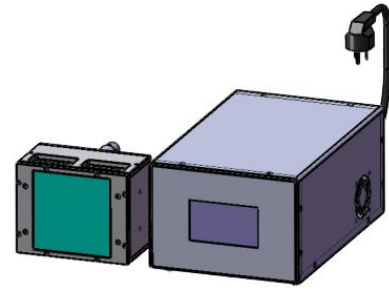
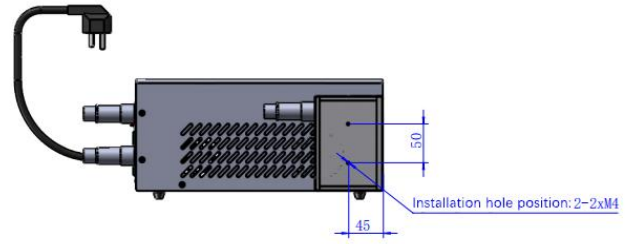
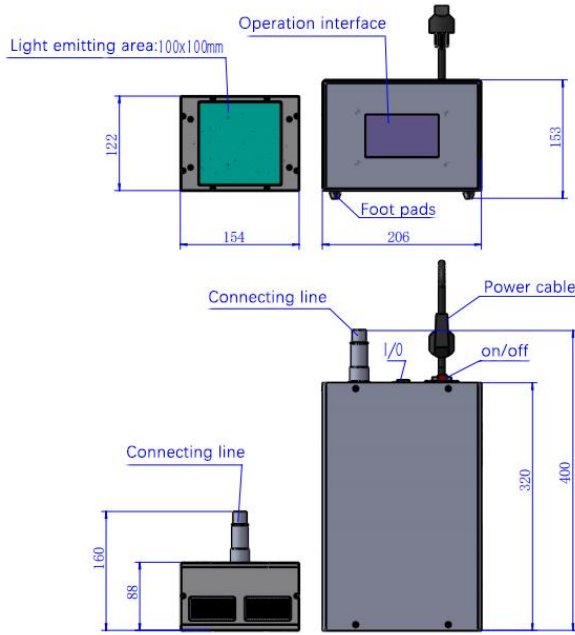
UV LED has a long service life and reduces equipment investment costs. It switches on and off instantly, no need to warm up, the number of switches does not affect the service life.

# System Related Parameters

## 1. System components and technical parameters

Specifications	
Controller Dimensions	L320mm * W206mm * H153mm
UV LED Lamo Dimensions	154mm * 122mm * 88mm
Emitting window	100mm x 100mm
Wavelength	65/385/395/405nm (Optional)
Optical Power	365nm 385nm 1.2W/cm <sup>2</sup> (10mm irradiation distance) 395nm 405nm 1.8W/cm <sup>2</sup> (10mm irradiation distance)
Cooling method	Fan cooling
Control method	PLC
UV LED Lamo Dimensions	Touch screen operation+RS485 Remote operation
Power adjustment	Digital dimming (1-100%)
Voltage	AC100V-AC240V (50/60HZ)
Total power consumption	300W
Ambient Temperature and Humidity	Ambient temperature: -10° C-50° C Relative humidity: 25%-80%RH

## 2. Dimensions



## Applications



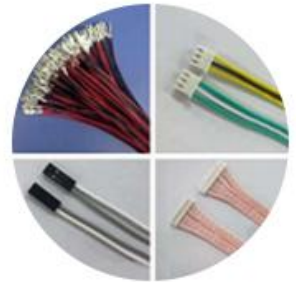
**Optical Communication**



**PCB/PCBA**



**Medical Consumables**



**Data Cable**



**Touch Screens**



**Microelectronics**



**Camera**



**Electroacoustics**

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