

# DE-400 DERMATOSCOPE

## User Manual



The following directions for use will enable you to familiarize yourself with the device. Please review them carefully!

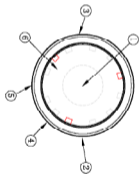
## Intended Use

The device is an internally powered medical microscope for skin lesions diagnosis. It can be used for both contact and non-contact skin examination with its particularly lighting system.

The universal lens mount helps connect dermatoscope with smartphone or tablet to capture and display images.

## Product Overview

- ① Universal Lens Mount
- ② On/Off/Polarized/Non-Polarized
- ③ Polarized Light Indicator
- ④ Battery Indicator
- ⑤ Charging Connector
- ⑥ Contact Plate



## Scope of Delivery

The set consists of the dermatoscope with universal lens mount, metal dual lens mount, USB-C cable, carry case, clean cloth and a user manual.

## Technical Data

Material	Aluminum & Glass
Optical Design	All glass, 4 elements 3 groups, anti-reflection coating
Lens Diameter	46mm
Magnification	10X
Distortion	5%
Working Time	90 minutes
Polarization	3 LEDs non polarized, 9 LEDs polarized
Resolution	300 LP/MM (Axis) 250 LP/MM (Edge)
LED Type	SMD LED beads
Battery Capacity	200mAh Lithium ion

 charge the instrument fully before first use

## Operation

This dermatoscope should be worked together with smartphone or tablet. Connect lens mount with smartphone, and screw dermatoscope on phone's main camera.

### ● On/Off

Push on/off button one second to turn on the dermatoscope.

### ● **Polarized Mode**

The default mode is polarized light illumination when turn on, polarized light indicator(orange light) turn on.

### ● **Non-Polarized Mode**

Screw the contact plate off and hold the instrument around 10mm above the skin to be examined. Push on/off button again to non-polarized mode, polarized light indicator turn off.

## **Warranty**

The device is maintenance free. The expected life cycle amounts with designated use and the observation of warning and safety information as well as the maintenance instructions up to 2 years.

## **Disposal Instructions**



The device may not be disposed of as domestic waste. Dispose of the device in a waste facility that accepts electronics/electrical appliances.

# Symbols Meaning



Caution:  
Important note!



Caution:  
Ultraviolet radiation!



Do not stare at light  
source!



Wear UV protective  
goggles!



Read the user  
manual!



Type BF applied part



Keep dry!



Medical Device



Manufacturer's CE-  
declaration



Manufacturer



Item No.



Batch Code



Class I equipment



Disposal instructions:  
Do not dispose of the  
equipment with  
domestic waste!

# Manufacture Information

Shenzhen Iboolo Optics Co.,Ltd.

Add: B1-406 Mingyou Purchasing Center, Xixiang  
St., Bao'an District, Shenzhen, Guangdong, China  
518102

Tel: +86-15915366262

http//: [www.iboolo.com](http://www.iboolo.com)

E-mail: [info@iboolo.com](mailto:info@iboolo.com)

Kingsmead Service B.V.

Add: Zonnehof 36, 2632BE, Nootdorp,  
Netherland

E-mail: [office@kingsmead-service.com](mailto:office@kingsmead-service.com)

EC

REP

## **Warning**

- ▶ Check the correct operation of the device before use! Do not use the device if there are visible signs of damage or the light begins to flash.
- ▶ Do not use the device in fire- or explosive risk area (e.g. oxygen saturated or anaesthetic environments).
- ▶ This product is not allowed to be entered or used in strong magnetic fields like MRI scanners.
- ▶ Do not modify the device.
- ▶ Use only original accessories and power sources.
- ▶ Do not look directly into the light source to avoid dazzle from the intense light.
- ▶ The dermatoscopes are not suitable for eye examination.