

# Binocular Indirect Ophthalmoscope IO-X/IO-X LED



## NEITZ pursues Comfort and Flexibility. Everything is for Your Best Performance.

Fundus image can be observed stereoscopically even through a small pupil of 2 mm diameter.

IO-X

Observation angle can be continuously changed. Smooth single hand adjustment of mirrors allows the observation easily in any desired angle.

The halogen light provides suitable illumination for general observation.

**Specifications** 

Pupillary Distance : 54mm to 74mm Illumination Area : Φ19mm, Φ50mm,

Φ80mm (at the distance of 500mm)

Filters : UV, Blue, Red-Free Light Source : L-51 Halogen Bulb

Dimensions: 230mm (w) x 310mm (D) x 250mm (H)

Weight: 480g



New LED Light source reproduces clean illumination in Halogen bulb color and eliminates the filament shadow.

LED light source provides steady illumination for 50,000 hours, free from exchange the light bulb.

The combination of the LED and the powerful re-chargeable battery allows 5 times longer operation and 10 hours continuous lighting.

#### **Specifications**

Pupillary Distance : 54mm to 74mm Illumination Area : Φ19mm, Φ50mm,

Φ80mm(at the distance of 500mm)

Filters: UV, Blue, Red-Free Light Source: 3W White LED

Dimensions: 230mm (W) x 310mm (D) x 250mm (H)

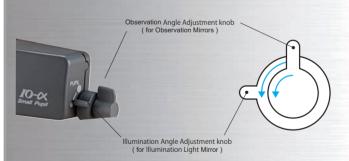
Weight: 480g





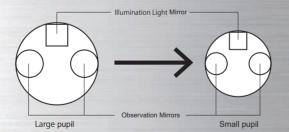
### **OPTICS SYSTEM**

The Illumination Light Mirror and Observation Mirrors are adjustable respectively with a single hand.



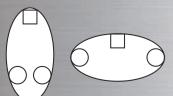
#### ■ Small pupil

Clear stereoscopic fundus image can be easily obtained through small pupil with the mirrors

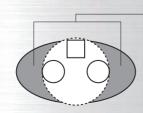


#### Freedom in choice of the approach angle to the pupil.

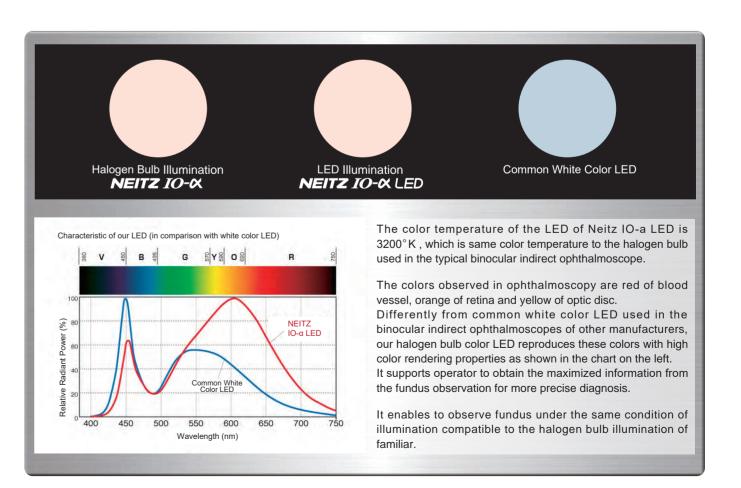
The system allows to adjust the position of the mirrors into vertical or horizontal positions corresponding to the patient pupil. It enables the operator to observe the periphery of the patient fundus from any angle.



The optical system of Neitz IO-a can position the mirrors into either vertical or horizontal oblong in corresponding to available observation angle for the operator at examination.



The area ,the periphery of fundus , is difficult to be observed in some approach angle to the pupil unless the optical system can position the mirrors like Neitz IO- $\alpha$ .



#### **POWERSOURCE**

#### **TRANSFORMER**

#### **BATTERY PACK**



#### PSU-3K

- Voltage Input :
   AC 120V or 230W.
- Dimension :158x100x90 (mm)
- Weight :1200g



#### LPS-250

- Voltage Input : AC 120V or 230V.
- Dimension :158x100X90 (mm)
- Weight : 500g



#### IO-BP3

- Consecutive Illumination Time : Approx. 5 hours at maximum intensity
- Charging Time: Approx. 2.5 hours
- Dimension: 90 x 45 x 30 (mm)
- · Weight: Approx. 130g



#### **ACCESSORIES**

Accessories included are Different depending on the set.



Teaching mirror



Carrying case

#### **OPTION**



PSU-S Transfomer and PSU-S, Transfomer Stand



**Aspherical Viewing Lens 20D** 



Lamp House Conversion Kit

- Lamp House with 0.6M cord
   Extention Curl cord



#### NEITZ INSTRUMENTS CO., LTD.

4F Ichibancho Court, 15-21 Ichibancho, Chiyoda-ku, Tokyo 102-0082, Japan Tel: +81-3-3237-0552 Fax: +81-3-3237-0554 URL: https://www.neitz.co.jp/en/

