



# Ophthalmoscopes & Retinoscopes



OPHTHALMOLOGY / ENT



## YZ11D Rechargeable ophthalmoscope

### Characteristics:

- Improved light path and excellent optical performance.
- Imported halogen bulb provides high and adjustable brightness and good color rendering.
- Smart, portable and convenient for mobile inspection.
- Equipped with special charger, quick and convenient recharging, against over recharging.
- Anti-recharging and anti-discharging function protects the battery.

### Specifications:

Illumination Form: Large Spot, Small Spot, Slit, Net, Red Free  
 Diopter Compensation: 0 ±1 ±2 ±3 ±4 ±5 ±6 ±8 ±10 ±12 ±16 ±20 -25 -35D  
 Illumination Source: 3.5V/2.8W, Halogen Bulb  
 Input Voltage: AC220V±22V/50Hz±1Hz, AC110V±11V/60Hz±1Hz  
 Power(Main body of Ophthalmoscope): Lit Battery Pack 3.7V, Rechargeable



## DR2000 Ophthalmoscope

### Specifications:

Illumination: Direct Illumination  
 Luminance: 18.5 Lumen  
 Bulb: Specified model - V-BP101 (LED Bulb) / V-BP102(XHL Bulb) 2.5V, 0.7A, Ø=4.8mm  
 Battery: 2 AA alkaline batteries  
 Operation Temperature: 10°C~35°C  
 Humidity: 30%~75%  
 Air pressure: 700hPa~1060hPa  
 Storage & Transport Temperature: -40°C~70 °C  
 Humidity: 10%~90%  
 Air pressure: 500hPa~1060hPa  
 Standard: MDD 93/42/EEC IEC 60601-1: 2012, IEC 60601-1-2:2007



## DM6D Ophthalmoscope rechargeable

### Specifications:

3.5V Coaxial Ophthalmoscope  
 Coaxial optics enable easy entry into undilated pupils for more accurate diagnoses, while two filter selections provide optimum light levels for entering healthy eyes and those with cataracts.  
 Coaxial optics enables easy entry into undilated pupils through precise lamp filament and optical alignment.  
 3.5V Halogen lamp provides light output for true tissue color and consistent, long-lasting illumination.  
 28 lenses form .0D, ±1D, ±2D, ±3D, ±4D, ±5D, ±6D, ±7D, ±8D, ±9D, ±10D, ±12, ±15, ±20D, -25D, +40D  
 18 unique aperture/filter combinations for greater versatility .



6 standard apertures



Cobalt blue filter , micro spot,  
 Small spot, large spot, slit,  
 fixation aperture

With Red free filter



Cobalt blue filter , micro spot,  
 Small spot, large spot, slit,  
 fixation aperture

LED lamp optional





## YZ25C wireless indirect ophthalmoscope

### Characteristics:

Indirect binocular, wireless, rechargeable with 20D lens

- 1)LED Lamp (low-temperature, low-pressure, high-brightness),the light is uniformly, bright and brightness can adjust continuously.
- 2)Imaging clearly , strong dimensional sense and large field of view range.The main body part of this device adopts engineering plastics compact and exquisite.
- 3)Super light weight design to reduce fatigue,operation is very convenient.
- 4)The portable power is suitable for surgery, ward round and consultation.
- 5)Equipped with color filter,teaching mirror and sclera depressor,operating be more handy.

Three kinds of color filter:White light, cobalt blue light, Red-free light.

Three different-sizeds aperture, large aperture 60mm, medium sized aperture 40mm, small aperture 20mm. It can suitable for diverse pupils.



### Specifications:

Visual Angle:  $45^{\circ}\pm 5^{\circ}$

Pupil Distance :52mm-74mm

Weight :  $\leq 700g$  (excluding the head frame)

Adjustable Range of the Head Frame Head

Perimeter:520mm-640mm

Depth :85mm-125mm

Illumination LED

Power supply, Lit battery pack, DC:7.4 V Rechargeable

## YZ24B /YZ24C/YZ24D Streak Retinoscope (Rechargeable)

Can plus one Ophthalmoscope head or plus YZ11D with two pole two rechargeable well.

### Characteristics:

- The filament can be  $360^{\circ}$  rotated and upward and downward moved.
- Quickly and precisely measure the astigmatism axis.
- The light can be converged, radiated and paralleled.
- Continuously adjustable brightness.
- Convenient quick recharging.
- Anti-recharging and anti-discharging function protects the battery.
- Can also be connected with the head of ophthalmoscope.

### Specifications:

Working Distance: 0.67m

Streak: 3mm-20mm

Illumination Source: 3.5V/2.8W halogen bulb

Streak Rotation:  $360^{\circ}$

Input Voltage: AC220V $\pm 22V$ /50Hz $\pm 1Hz$  - AC110V $\pm 11V$ /60Hz $\pm 1Hz$

Power(Main Body of Ophthalmoscope): Li+ battery pack DC:3.7V



YZ24B



YZ24C



YZ24D

## YZ24E Ophthalmoscope and retinoscope

Retioscope and ophthalmoscope together , two pole, with one charge well

### Characteristics:

- The filament can be  $360^{\circ}$  rotated and upward and downward moved.
- Quickly and precisely measure the astigmatism axis.
- The light can be converged, radiated and paralleled.
- Continuously adjustable brightness.
- Convenient quick recharging.
- Anti-recharging and anti-discharging function protects the battery.
- Can also be connected with the head of ophthalmoscope

### Specifications:

Working Distance: 0.67m

Streak: 3mm-20mm

Illumination Source: 3.5V/2.8W halogen bulb

Streak Rotation:  $360^{\circ}$

Input Voltage: AC220V $\pm 22V$ /50Hz $\pm 1Hz$  - AC110V $\pm 11V$ /60Hz $\pm 1Hz$

Power(Main Body of Ophthalmoscope): Li+ battery pack DC:3.7V





## DR-1900 Ophthalmoscope and retinoscope

### Characteristics:

3.5V Streak Retinoscope is designed exclusively to determination of the refraction of the eye. The Streak rtinoscope is found by most practitioners to be easy to use fast accurate. Especially valuable in determining the axis of astigmatism.

### Specifications:

Multi-coated Optics  
A single control sleeve for vergence and rotation comfortable operation .  
Totally dustproof maintenance free.  
The lowest position gives a divergent beam.  
Superior streak quality enables easier and quicker refractions even in patients with small pupils.  
The powerful bright bulb ensures easy recognition of neutralization.  
Fixation cards for dynamic retinoscopy  
3.5V halogen bulb.

**LED bulb optional**



## DW1100 Retinoscope and ophthalmoscope on wall

### Specifications:

The portable product has excellent optical performance by improved optical design.

Wall mount ophthalmoscope and retinoscope.

Use AC power.  
3.5V Coaxial ophthalmoscope  
3.5V streak retinoscope  
2M power cable with plug  
Halogen lamp  
**LED optional**



## YZ24A Streak Retinoscope

### Characteristics:

- The well positioned filament can be rotated for 360° and move upward and downward.
- Brightness of the streak can be adjusted.
- Quickly and precisely measure the astigmatism axis.
- The light can be converged, radiated and paralleled.
- Automatic turning off effectively protects the bulb.
- Two-steps adjustable brightness for bulb: S(Bright) W(Dark).

### Working Distance:

1m Streak: 3mm-20mm  
Streak Rotation: 360°  
Illumination Source: 3V/2.1W Halogen Bulb  
Input Voltage: AC220V±22V/50Hz±1Hz - AC110V±11V/60Hz±1Hz



ESSE3 srl, Via Garibaldi 30  
14022 Castelnuovo D.B. (AT)  
Tel +39 011 99 27 706  
Fax +39 011 99 27 506  
e-mail [esse3@chierinet.it](mailto:esse3@chierinet.it)  
web: [www.esse3.dreamgest.com](http://www.esse3.dreamgest.com)

