

VIEWLIGHT

POWERED BY INNOVATION

NEW
Binocular Indirect
VIO-20 & 30



NEW Binocular Indirect VIO-20 | VIO-30

Product Overview

VIO-20 Halogen & VIO-30 LED is a head mounted Binocular Indirect ophthalmoscope designed to be Used by trained personnel for illuminating and viewing parts of the eye such as the Cornea and retina when used in conjunction with an ophthalmic lens.

Main Features

- Head worn binocular indirect ophthalmoscope
- Superior optical quality
- Large, easily adjustable oculars
- Comfortable light weight headband
- Double sided teaching mirror accessory
- Filters
- Scleral depressor



PRODUCT SPECIFICATIONS



1. VIO-20 Power Supply
2. Illumination Window
3. Intensity Control Knob
4. Tilting set
5. Filter changing lever
6. VIO-20 Power Supply Cord
7. Battery Cover
8. VD Test Window
9. Tightening knob
10. LED Cover
11. Aperture Changing Lever
12. Headband Front Strip
13. Front Strip Locking Knob
14. Head band Adjusting Knob
15. VIO-20 Back holder Clamp screw
16. Head band
17. Eyepieces

Accessories:

VIO-20

1. Carrying Case (1)
2. Power Supply (1)
3. Scleral Depressor (1)
4. Funds Chart (1)
5. Marking Pencil (4)

VIO-30

1. Carrying Case (1)
2. Nokia Charger (1)
3. Scleral Depressor (1)
4. Funds Chart (1)
5. Marking Pencil (4)

• Optional Accessories (Extra Cost):

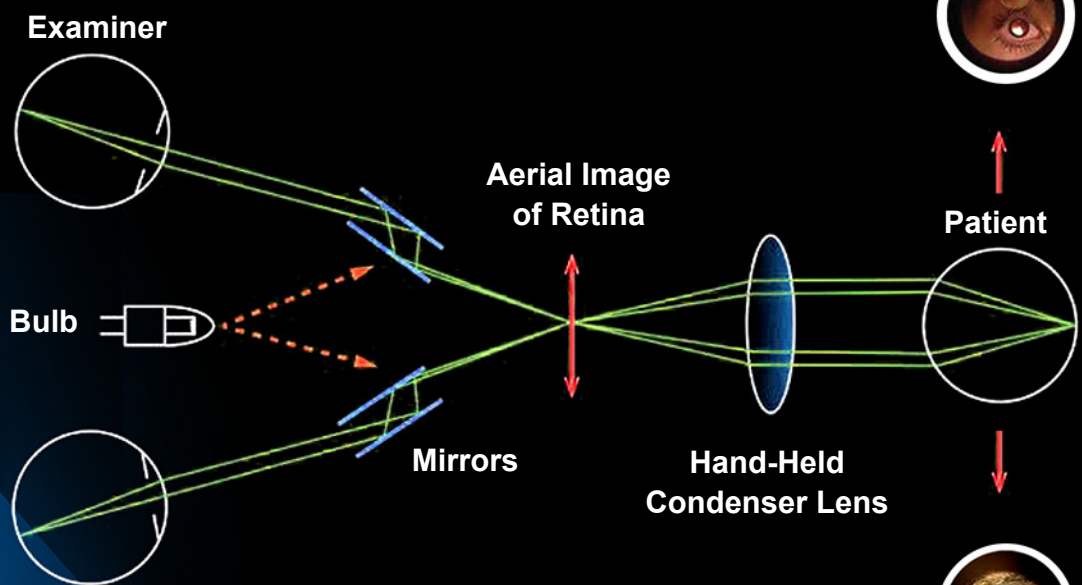
1. 20 Diopters Aspheric Viewing Lens
2. Double Sided Co-observation Teaching Mirror





Illumination System

Binocular Indirect Ophthalmoscope provides an illumination system to direct appropriately, focused light into the eye in order to obtain an intermediate image of the fundus (retina) that is viewed by the observer to diagnose the eye.



Illumination Features

- VIO-20 & 30 can be used as a Wide Angle, standard, or small pupil scope with a simple adjustment, maintaining full, bright illumination
- The light can be adjusted from 0 to maximum with a rheostat
- The filters are the best quality, coated glass, filters-not simple colored plastic sheets.





Light Source

- Long-lasting LED- illumination free of UV and IR
- Homogenous White light, adjustable light intensity,
- Less Heat radiation to halogen based light source
- Environment friendly, ROHS complaint, no Mercury
- Instant on & Off



Halogen Lamp

Light source is halogen lamp, which shows up figure in their natural colors.



Clinical Advantages

- Large field for viewing retinal topography
- Greater illumination for penetrate opacities
- Binocular stereoscopic presentation of height & weight factors
- Capability to overcome distortions as found in ametropia
- Ready use for hospital rounds
- Under surgical conditions with a constricted pupil
- In case where dilation is not advisable or possible
- Where a glaucoma patient is being given miotic therapy

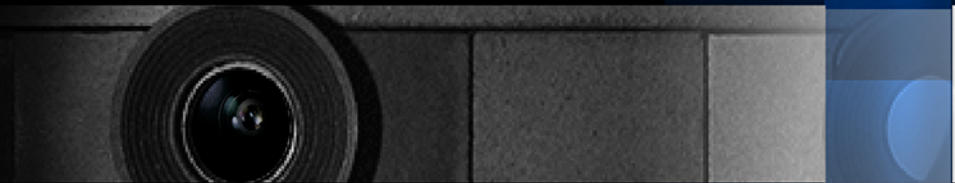


Product Specifications

VIO-20

VIO-30

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|--|--|--|
| Optical System | Stereoscopic | Stereoscopic |
| Power Supply | I/P: 110V/220V AC~60Hz/ 50Hz, 25VA O/P: 6V DC, 2A | I/P: 100V – 240V AC 50Hz 60Hz, 180mA O/P: 5.7V DC / 700mA, Rechargeable. 3.7V DC, 700mAh |
| Battery | - | |
| Lamp | 6V, 10W * NICAD Halogen Bulb | Warm White Light LED 3.6V DC, 1W* |
| Intensity Regulator | Continuously Variable * | Low, Off, High * |
| Pupillary Distance | 54 – 74 mm adjustable | 54 – 74 mm adjustable |
| Illumination | Good, Clear Circular Field | Good, Clear Circular Field |
| Net Weight | 1.850 Kg* | 0.500 Kg* |
| Altitude | Used less than 2000 mts | Used less than 2000 mts |
| Pollution Degree | 2 degree | 2 degree |
| Filters | Green, Blue | Green, Blue |
| Aperture size at the Instrument | 4.0mm, 3.0mm, 1.2mm | 4.0mm, 3.0mm, 1.2mm |
| Image Size at the focus Point (450mm from the Window Glass) | 80.0mm, 60.0mm, 25.0mm | 80.0mm, 60.0mm, 25.0mm |



Equipment Classification

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|--|---|
| Mode of operation | 5 minutes (Max) |
| Degree of mobility | Portable |
| Type of protection against electrical shocks | Class 1 |
| Degree of protection against electrical shocks | Type 'B' |
| AC Input | I/P: 110V AC /220V AC, 60Hz / 50Hz, 25VA O/P: 6V DC, 2A |
| Fuses | 1A Slow Blow (110V AC) |
| Safety Rules: | 500mA Slow Blow (230V AC) 3A Slow Blow |