



OSCOPE

Head Worn Microscope

12MM CONVERGED BINOCULAR OPTICS & FULLY INTEGRATED LED ILLUMINATION

Made in Australia

VOROTEK
experience. knowledge. performance



SpecFrame Model

Power Pack & Charger

HeadBand Model

Carry Case

Flip-up Dual Functionality

The Vorotek O Scope is ideal for many ENT applications and is now used by approximately 95% of Australian ENTs. In the same way a microscope works, the Vorotek O Scope's optical pathway converges the eyes to just 12mm apart. This allows both eyes to reach the bottom of narrow cavities and deliver excellent depth perception. The result is consistently improved diagnosis and more effective instrumentation. The unique 12mm Converged Binocular Optical System is what differentiates the O Scope from Loupes, which are unable to achieve depth perception in narrow cavities (see figure 2).

Converged Binocular Optics & Magnification

The Vorotek O Scope provides 12mm converged binocular vision combined with 2 or 3 dioptre magnification. This is essential to achieve binocular vision and depth perception in narrow cavities. e.g. Ear and nose. Converged optical pathways are also a feature of operating Microscopes (see figure 1).

LED Illumination (Coaxial)

The location of the brilliant LED illumination (approx 55,000 lux) is as close to the visual pathway as possible, allowing shadow free illumination of the field of view.

Fully Integrated Design

The fully integrated design ensures that the converged binoculars and illumination stay precisely aligned.

Dual Function

The Integrated Converged Binoculars can easily be rotated in and out of use. Upward rotation of the Converged Binoculars allows uninterrupted vision, with or without headlight illumination.

Figure 1. 12mm Converged Binocular Optical pathway.



Portable Power Supply

The Power Pack (Lithium ion), either belt or pocket worn, provides 10 hours of 'on time'.

Design Features

Head worn, light weight and hands free emphasising simplicity, durability and comfort.

O Scope Interpupillary Distance (IPD) can be customised to the individual or supplied with fully adjustable IPD tabs.

O Scope Models

SpecFrame model Ideal for individual users.

Prescription lenses can be fitted.

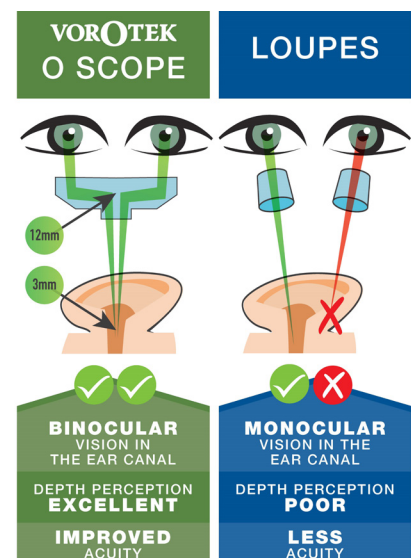
HeadBand model Ideal for shared use.

Can be used over prescription glasses.

Designed For

ENT Surgeons, General Practitioners, Audiologists, Nurses/Clinicians involved with ear wax removal.

Figure 2. Depth Perception in the Ear Canal



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