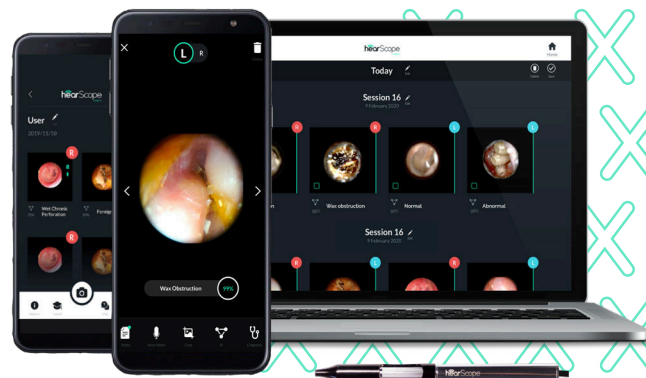# hearScope

WHAT IS HEARSCOPE?

A digital video otoscope that captures high-quality images and videos, using a smartphone or desktop, and includes the world's first AI image classification feature to assist healthcare providers with formulating a diagnosis during examinations.

AI IMAGE CLASSIFICATION FEATURES

INSTANTANEOUS AI IMAGE CLASSIFICATION

Receive instantaneous AI image classifications on captured images.

CONFIDENCE RATING

Be sure about the provided classification with a confidence rating.

CLASSIFICATION EXPLANATION

Read through additional information for each classification result.

Note: The AI feature is currently in Beta-testing and should only be used for research purposes.

USES OF HEARSCOPE

STAND-ALONE PRODUCT

Video otoscopy of ear canal and tympanic membrane for health professionals and community health workers. Use in a clinical setup to view if a wax obstruction is present and remove it in the clinic.

INTEGRATED DATA MANAGEMENT

Use with the hearX Self Test Kit, hearTest, hearTest Occ Health or hearScreen® for a complete examination. Seamless syncing of images to the cloud for detailed reporting and referral management.

SCHOOL OR WORKPLACE SCREENINGS

Combine with hearing test applications, hearScreen® and hearTest, for screening programs.

EFFICIENT AND EFFECTIVE EXAMINATIONS

hearScope can be used by healthcare assistants to capture otoscopy images prior to examinations to save time during examinations.

INTEGRATED SOLUTION IN A GENERAL HEALTHCARE SETTING

Attach a custom designed dermal and throat adaptor to the hearScope otoscope, to capture images of the patient's skin and throat.

INCLUDE AS PART OF OTHER HEARX SOLUTIONS

Use with the hearX Self Test Kit for counter-side, curb-side or home testing with remote support. Use with hearTest Occ Health to ensure occupational health compliance by combining audiometry with otoscopy.

HARDWARE FEATURES

SELECTION OF SPECULA

Multiple specula included. Convenient range of specula included to fit ears of all sizes (2x 3mm; 2x 4mm; 2x 5mm).

MULTIPLE USB OPTIONS

Select between a USB, micro-USB or USB-C hearScope to be compatible with your preferred device.

VARIABLE LIGHT SOURCE

Light emitting diode (LED) bulbs.

HIGH-QUALITY 2MP CAMERA

Clear view for accurate diagnosis.

SOFTWARE BENEFITS & FEATURES

AI IMAGE CLASSIFICATION

Receive an instantaneous image classification on images.

AUTO-CROP AND AUTO-ZOOM

Enables the automatic zooming of the image to fit to the screen for a detailed and clear view, with cropping to remove specula edges when taking images.

IMAGE PREVIEW FEATURE

Review and edit images or videos directly from the camera view.

SHARE SESSION IMAGES

Share session images with patients and colleagues. Attach images to patient records.

VARIABLE VIEW FUNCTIONALITY

Both landscape and portrait views are supported.

ABILITY TO CHANGE SESSION NAMES

Session names can be edited and customised.

CAPTURE IMAGES WHILST RECORDING A VIDEO

When recording a video, tap on the screen or use the capture button to take images.

30 FRAMES/SEC VIDEO FRAME RATE

Real-time viewing and video without delays.

INTEGRATE WITH THE MHEALTH SOLUTION

Attach otoscopy images to hearing test results for a complete examination and detailed report.

VARIABLE MAGNIFICATION

Zoom like never before with your digital otoscope.

"Patients can be screened in-store, as well as interact with their ear examination, with a product like hearScope." **- TALLY SHERBAN,** Audiologist