

An Intelligent Ocular Misalignment Measurement System

智能斜視角度測量系統

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Award 獎項



This is an intelligent automated system for effective ocular misalignment assessment and diagnosis, which has the potential to help mitigate the shortage of eye professionals and provide an objective method with high granular measurement. The system is integrated with Artificial Intelligence (AI) analytics and deep-learning technologies to help optometrists in clinical strabismus assessment. It provides timely diagnosis to prevent lasting consequences, such as permanent vision impairment, particularly in children.

這款自動化智能系統能客觀而有效地評估及診斷斜視，有助緩解社區眼科專家短缺的狀況。這個系統結合人工智能和深度學習技術，幫助視光師進行快速、準確的斜視臨床評估。廣泛的應用能夠為患者（特別是兒童）提供及時診斷，從而轉介進行治療，以防止斜視造成持續性後果，例如永久性失明。

Features & Applications 特點和應用

- 01** Generates objective assessment results with highly granular measurements
提供高粒度測量和客觀的診斷結果
- 02** Can be synchronized with data-logging devices to provide immediate e-feedback
與數據記錄設備同步，提供即時電子診斷報告
- 03** Fully automated, highly accurate and easy to operate
全自動化、高準確率和易於操作
- 04** More efficient than manual methods adopted in current clinical practice
比傳統人手診斷更有效率
- 05** Reduces the immense workload for optometrists in vision assessment
減輕視光師在視力評估方面的繁重工作和壓力
- 06** Valuable for strabismus patients and optometric eye-care clinics globally
為全球斜視患者和視光診所帶來全新的診斷體驗