

Vision Screener Overview

	Welch Allyn® Spot® Vision Screener	GoCheck Kids™ Features*	PlusOptix™ Features**	Blinq.® Features***
Amblyopic Risk Factors Detected	Hyperopia Myopia Anisometropia Strabismus Anisocoria	Hyperopia Myopia Anisometropia Strabismus – Manual overread	Hyperopia Myopia Anisometropia Strabismus Anisocoria	Micro-strabismus Amblyopia Strabismus
Capture Rate	Two seconds or less	Varies by operator	~1 second	2.5 seconds
Auto capture	Yes	No. User-initiated capture	Yes	No. User-initiated capture: Have to calibrate to child's chest and then align two dots on the bridge of their nose.
Visual Acuity (Objective)	No	No	No	No
Visual Acuity (Subjective)	Yes – through a wall chart	Yes – HOTV on device	Yes – HOTV on device	No
Age range	Multi-age vision screener from six months to 100 years	Six months to six years	Five months and up	2-8 years old for amblyopia and strabismus
Sensitivity and Specificity	Sensitivity of 87% to 94% Specificity of 80% to 96%	76% Sensitivity**** 67% Specificity****	85% Sensitivity(Median)***** 73% Specificity(Median)*****	41-98% Sensitivity(Median)**** 75-96% Specificity(Median)****
Minimum Pupil Size	3.0 mm to 9.0 mm in 0.1 mm increments	4.5 mm*****	3.0 to 8.0 mm in 0.1 mm increments	N/A
Shows Risk Factors Detected on Screen	Yes	Yes	Yes	No
On-Screen Assistance to Determine Proper Screening Setup	Easy-to-follow visual indicators: too close/too far, or pupils too small	Align circles over the patient's eyes. Gauge for lighting and distance conditions.	Align circles and triangles over the patient's eyes	User prompted to calibrate device, then to align two dots on patient's nose.
Measurement Distance	1 meter	1 meter (1.5 meters for visual acuity)	1 meter (3 meters for visual acuity)	0.36 meters
Custom Banner in Screening Report	Yes	No	Yes	No
Battery	Lithium Ion	Smartphone Battery	(Standard AA size)	N/A
EMR Connectivity	Yes - with Welch Allyn SpotConnect EMR application for Cerner and Epic	Yes. Bidirectional with AthenaHealth and EPIC	Yes	No