



# VISION SCREENERS

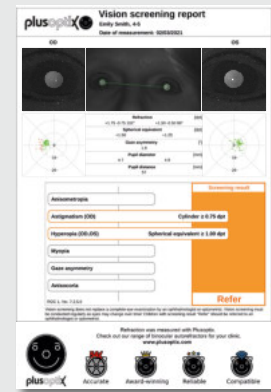


- ✕ World leader in vision screening for 2 decades
- ✕ Created the world's 1st immediate result vision screener
- ✕ Created the world's 1st vision screener designed for children
- ✕ Multiple design award winner



Accurate

- ✗ Specificity as high as 95%
- ✗ Accurate to within  $\pm 0.25$  diopter through entire measurement range
- ✗ Immediate pass/refer results in patients as young as 5 months
- ✗ Provides complete refraction from 5 months into adulthood
- ✗ Easy to use with tests taking mere seconds from a safe distance of 3.3 feet



Innovative

- ✗ Only Plusoptix offers three tests in one
  - Amblyogenic risk assessment
  - Complete refraction
  - HOTV critical line acuity
- ✗ Assess media opacities (cataracts etc.) on screener
- ✗ Wireless printing and easy importation into EMR systems (S12C & S16)

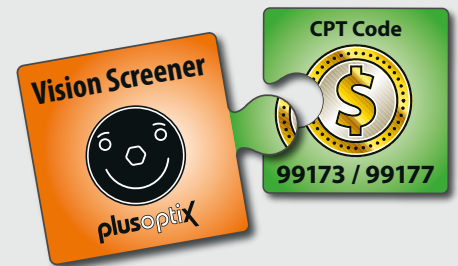


HOTV



Cost Effective

- ✗ Enhanced reimbursement with 2 CPT Codes (99177, 99173)
- ✗ No routine calibration/maintenance costs
  - Free software updates
  - User replaceable AA rechargeable batteries
- ✗ Hassle-Free warranty covers repairs including accidental damage



Evidence-based

*"The Plusoptix (S12) outperformed the SPOT and 2WIN as an autorefractor, particularly with respect to astigmatism power and axis."*

**Calibration and validation of the 2WIN photoscreener compared to the Plusoptix S12 and the SPOT.J Pediatr Ophthalmol Strabismus. 2014 Sep-Oct;51(5):289-92**


*"The two autorefractors agreed 89% of the time. When they disagreed, the Plusoptix combined with the three other tests caught all but one child with eye problems, but the Spot with the three other tests missed six... After using both for two years we stopped using the Spot."*

**McMaster University 2015-2018 Report - Kindergarten Vision Testing Programme**

# DEVICE MODEL COMPARISON

All Plusoptix Vision Screeners share the same measurement technology and algorithm. Hence, measurement accuracy is identical across all available device models. The devices differ in mobility and documentation options as specified below. Every device comes with a 1 year hassle-free warranty.



	STATIONARY in one exam room	MOBILE Between multiple exam rooms or locations	
	 Vision Screener plusoptiX S16	 Vision Screener plusoptiX S12C	 Vision Screener plusoptiX S12R
Letter-size report & self-adhesive label	yes / yes	yes / yes	yes / yes
LAN / WIFI interface	yes / yes	no / yes	no / no
Connection to EMR / plusoptiXconnect	yes / yes	yes / yes	no / no
External monitor interface	yes (DVI)	no	no
Power supply	Medical power adapter (100 - 240 V AC / 50 - 60 Hz)	6x rechargeable batteries (Standard AA size)	6x rechargeable batteries (Standard AA size)
HARDWARE FEATURES			
Touchscreen operation	4.3 Inch (resistive)	5.7 Inch (capacitive)	4.3 Inch (resistive)
Weight	26.5 oz (0.75 kg)	35.3 oz (1.0 kg)	28.2 oz (0.8 kg)
Interfaces	4 x USB, IR, DVI, LAN (RJ-45), WLAN	2 x USB, IR, SD, WLAN	2 x USB, IR, SD
IDENTICAL FEATURES			
Measurement Technology	Binocular infrared photo retinoscopy with unique 54 LED illumination		
Measurement Range	-7.00 to +5.00 dpt in 0.25 dpt increments		
Pupil Size	3.0 to 8.0 mm in 0.1 mm increments		
Acquisition time	dynamic, on average 0.5 sec.		
Measuring distance	3.3 ft ± 2 in (1 m ± 5 cm)		
Fixation target	Warble sound and Smiley face		
Certification	  		
SERVICE FEATURES			
Warranty	1 year hassle-free warranty included (can be extended up to 10 years after initial commissioning)		
Operating Cost	None, because no calibration or maintenance is needed		
Software Updates	Free of charge (Updates are available on our homepage <a href="http://www.plusoptix.com">www.plusoptix.com</a> )		