



MSRP



plusoptix S16
(stationary)
\$ 6,535
excl. taxes, shipping & handling



plusoptix S12C
(mobile)

\$ 6,535
excl. taxes, shipping & handling



reddot award 2014
winner



plusoptix S12R
(mobile)
\$ 5,495
excl. taxes, shipping & handling

All devices include:
1 year hassle free warranty (US and Europe only).

Financing
Are you interested in financing your new Plusoptix device?
Feel free to contact us!

**For further information concerning products, and studies,
please refer to our homepage.**

plusoptix.com



plusoptix 

VISION SCREENER since 2001



APPLICATION

The purpose of a Plusoptix Vision Screener is to empower primary health care providers to detect most prevalent vision disorders in children as early as possible. The earlier a vision disorder is detected the better it can be treated, and Amblyopia, i.e. lazy eye, can be prevented. Both eyes are measured simultaneously from one meter (i.e. 3.3 feet) away in less than one second. Measurement results are compared to age specific thresholds and a "Pass" or "Refer" vision screening result is displayed immediately. Children with a "Refer" vision screening result need to be sent to an eye care professional for a follow-up eye examination.

Features include:

- ✗ Transillumination test (Red reflex test & Bruckner test)
- ✗ Simultaneous measurement of both eyes
- ✗ 1 meter (3.3 feet) working distance $\pm 5\text{cm}$ ($\pm 2\text{in}$)
- ✗ 0.5 second acquisition time
- ✗ Analysis of Hyperopia, Myopia, Astigmatism, Anisometropia, Anisocoria, and Eye alignment
- ✗ Instant "Pass" or "Refer" vision screening result
- ✗ Full refraction recording, i.e. sphere, cylinder, and axis for follow-up eye examination

Plusoptix Vision Screening is recommended by the 2016 AAP Policy statement "Visual System Assessment in Infants, Children, and Young Adults by Pediatricians".

Reimbursement

Plusoptix devices are eligible for CPT Code 99177 reimbursement (for Pediatricians) and LCIF Grant Funding (for Lions Clubs).

MEASUREMENT VALUES	S16	S12C	S12R
Measurement Technology	Binocular infrared photorefracton 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	1 m \pm 5 cm (3.3 ft \pm 2 in)		
Fixation target	Warble sound and Smiley face		
Certifications	FDA (USA), Health Canada (Canada), CE (Europe)		
TECHNICAL DATA	S16	S12C	S12R
Touchscreen operation	4.3 Inch (resistive)	5.7 Inch (capacitive)	4.3 Inch (resistive)
Weight	0.75 kg (26.5 oz)	1.0 kg (35.3 oz)	0.8 kg (28.2 oz)
Interfaces	4x USB, IR, DVI, LAN (RJ-45)	2x USB, IR, SD WLAN	-
Power supply	Medical power adapter	6x rechargeable AA batteries	
Voltage / Frequency	100 - 120 V / 220 - 240 V AC / 50 - 60 Hz		

*Spherical equivalent



Accurate



Award-winning



Reliable



Compatible

54X ACCURATE

In photorefraction, measurement results are derived from brightness patterns in the pupil in a manner similar to retinoscopy. Therefore three components are key to an accurate measurement:

✕ Optimal illumination

Plusoptix Vision Screeners use a unique 54 LED flashlight, that optimally illuminates the pupil.

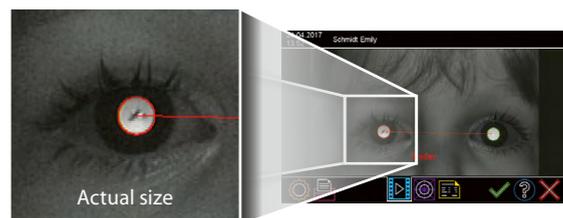


✕ Accurate measurement algorithm

Numerous peer-reviewed clinical studies validate that Plusoptix Vision Screeners consistently deliver highly accurate refraction recordings. Plusoptix Vision Screeners take measurements automatically when measurement prerequisites (i.e. distance, pupil size and eye alignment) are being met. Measurements are always accurate. There is no need to repeat a measurement.

✕ High-resolution camera

The quality of a Plusoptix photo is not limited to simple refractive recordings. An experienced user can identify media opacities within the pupil (Red reflex test & Bruckner test).



AWARD-WINNING

Plusoptix Vision Screeners have been awarded for their ergonomic and child-friendly appearance. The iconic smiley face and the attention grabbing warble sound attract an infant's attention and lessen fears about the measurement. Main characteristics of the ergonomic design of Plusoptix Vision Screeners are a lightweight, but sturdy design, a solid handhold for a secure grip, and a tilted touch screen for a comfortable posture of the head.



reddot award 2014
winner

"The friendly appearance of this auto refractometer instills trust and encourages children to get involved in the examination in a playful way."
(RedDot Award Jury)



"A lovely tool that focuses not only on technology and ergonomics in its design, but also the needs of the child being treated."
(GermanDesignAward Jury)

RELIABLE

Since 2001, Plusoptix has been developing, manufacturing and marketing the handheld vision screeners at the headquarters of the company in Nuremberg, Germany. Through distribution partners, the company's devices are available in more than 60 countries worldwide.

The hardware design of Plusoptix Vision Screeners strives for safety, ergonomics, and reliability. Plusoptix Vision Screeners meet all relevant standards as a medical device, and have passed independent testing. Guaranteeing the safety of patients and users is our main priority.

Plusoptix Vision Screeners have no moving parts, and therefore no physical wear and tear. Devices neither need to be serviced nor calibrated. Mobile models use standard AA size, rechargeable batteries that are easy to access, and inexpensive to replace.

Plusoptix Vision Screeners come with an unparalleled, one-year, hassle-free warranty (US and EU only). The warranty includes accidental damage repair in case an instrument is dropped for example. Warranty extensions are available for purchase.

COMPATIBLE

Seamless integration of new equipment in the existing workflow is crucial. Therefore, Plusoptix offers mobile and stationary models to choose from, and measurements can be documented on paper, or electronically.



Stationary model "plusoptiX S16" connects to electricity and is always operational (no power saving, or out of battery downtimes). Therefore it's less likely to be misplaced. An optional monitor can be connected for a convincing presentation to the patient. It can be connected to a wi-fi computer network for full integration with an Electronic Medical Record System (i.e. automated patient data import, and readings export). Once connected, letter size measurement reports can be printed on any already existing network printer, or PDF files can be manually attached to electronic patient files. For paper files, self-adhesive labels can be printed with optional wireless label printer "plusoptiX P12".

Mobile models "plusoptiX S12C", and "plusoptiX S12R" both run on rechargeable, standard AA size batteries. In case they run out of battery power, they are operational while charging. The "plusoptiX S12C" offers the same documentation features as the stationary model "plusoptiX S16". Because it's a mobile device it neither offers an interface to an optional monitor nor a LAN interface. If a WLAN connection to a computer network is not required, "plusoptiX S12R" is an inexpensive alternative to consider.

